

**WinTotal v6.1.00**  
**Wire marking and label**  
**printing software**



# License

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# System Requirements

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<b>Computer:</b>	IBM compatible PC
<b>Processor:</b>	Processor Requirements are the same as for the Windows Operating System Processor Requirements
<b>Operating system:</b>	Windows XP SP3, Vista , 7, 8, 8.1 and 10 Windows Server 2003, 2008, 2012 and 2016 (32bit or 64bit)
<b>Screen Resolution:</b>	1024 x 768 pixels
<b>Disk space required:</b>	100MB of free disk space

# Introduction

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## WinTotal



The WinTotal software by TE Connectivity is a Cable Identification and Labeling program.

This powerful package makes printing TE Connectivity Identification products simple using pre-loaded templates.

WinTotal features a graphical user interface to simplify operator training and minimize errors.

Data can be manually typed into the program or using one of its import functions data from ASCII text files and databases can be imported. eg. Microsoft Access and Excel.

Customized templates can also be created for new products. Custom specific layouts can also be created where dimensions and data formatting can be specified.

WinTotal is designed primarily for printing text however it is possible to print graphics and a range of barcodes.

WinTotal comes pre-loaded with TE Connectivity Identification product and TE Connectivity recommended printer drivers.

WinTotal uses its own built in printer drivers to print to TE Connectivity recommended printers to ensure settings and parameters are correct at the time of printing.

It also allows the use of standard Windows drivers. Mark quality and permanence cannot be guaranteed when non-TE Connectivity tested printers and ribbons are used.

### **Important Information:**

Please make regular backup copies of all data files.

Please see the [Data Management/Backup](#) topic for more information on files to backup.

# Installing and Activation

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## **Installing**

WinTotal is installed using an installer program. The installation and program can be displayed in the following languages.

**Chinese**  
**Deutsch** (German)  
**English**  
**Español** (Spanish)  
**Français** (French)  
**Italian**  
**Japanese**  
**Korean**  
**Nederlands** (Dutch)  
**Norsk** (Norwegian)  
**Portuguese (Brazil)**  
**Russian**  
**Turkish**

### **NOTE:**

The installer program is not UNICODE therefore the Chinese, Japanese, Korean and Russian languages are only visible in the Installer if the **Windows Region and Language Settings** for "**Language For Non Unicode Programs**" option is set to that language.

WinTotal is UNICODE so any language can be selected regardless of the Windows configuration. WinTotal will be set by default to the same language as selected in the Installer, this can be changed later in WinTotal via the [Options](#) tab in the [System Setup](#) screen.

Please follow the instructions as per the installer program.

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## **Activation**

Each purchased copy of WinTotal entitles the user to 1 License.

A License is issued in the form of either a USB Hardware Key or a Serial Number depending on the version ordered.

**EC9816-000**  
**WINTOTAL-6-DONGLE**  
Supplied with a USB Hardware Key

**EC9817-000**  
**WINTOTAL-6-END-USER-LICENCE**  
Supplied with a Serial Number which must be registered online.

For more information see the [Software Licensing](#) topic.

# Software Licensing

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Each purchased copy of WinTotal entitles the user to 1 License supplied within the CD-ROM case.

A License is issued in the form of either a USB Hardware Key or a Serial Number depending on the version ordered.

**EC9816-000**

**WINTOTAL-6-DONGLE**

Supplied with a USB Hardware Key

**EC9817-000**

**WINTOTAL-6-END-USER-LICENCES**

Supplied with a Serial Number which must be registered online.

If when started WinTotal cannot detect a valid [Serial Number Registration](#) or [USB Hardware Key Registration](#) the program will function fully for a 14 day **Evaluation Period** beginning from the first time WinTotal v6 is installed on a PC.

Once the Evaluation Period has expired then the program will run in [Demo Mode](#).

The [WinTotal - Evaluation Period](#) screen will be displayed each time WinTotal is started or a print action is applied within the **Evaluation Period** displaying the number of days left.

For more information see the [Serial Number Registration](#) or [USB Hardware Key Registration](#) topic depending on the license purchased.

# Serial Number Registration

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If the part number below was ordered then a unique serial number will be printed on the CD-ROM.

## **EC9817-000 WINTOTAL-6-END-USER-LICENCE**

This serial number is your license so please store this in a safe place.

The serial number will contain 5 banks of 5 digits

A serial number for WinTotal v6 will be as below where the \* characters will contain unique letters/ numbers

**W\*\*\*\*-T\*\*\*\*-A\*\*\*\*-C\*\*\*\*-S\*\*\*\***

If the serial number does not contain the exact first letters for each bank as above then it is not for WinTotal v6 and cannot be used.

If WinTotal is not registered the [WinTotal - Unregistered](#) screen will be displayed where the program can be registered via the [Register Serial Number](#) option.

If the program will not correctly register please contact [Technical Support](#).

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### **Important Information:**

- WinTotal can be installed multiple times but should **ONLY** be registered once.
- WinTotal licenses are not transferable between PC's. If this functionality is required then a **EC9816-000 WINTOTAL-6-DONGLE** version should be purchased. See the [USB Hardware Key Registration](#) topic for more information.
- WinTotal allows for 2 different computers to be registered using 1 serial number. This is to cover; upgrades, loss, damaged or replaced computers **NOT** multiple installations. ( this is in breach of the License Agreement )
- Once 2 different computers have been registered no further registration can take place ( unless authorized from TE Connectivity Product Management )
- Only computers that require to [Print](#) need to be registered. Unregistered copies of WinTotal will run in [Demo Mode](#). This has full functionality but does not allow printing. For more information see the [Demo Mode](#) topic.



# USB Hardware Key Registration

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If the part number below was ordered then a USB Hardware Key will be attached to the inside of the CD-ROM case.

## **EC9816-000 WINTOTAL-6-DONGLE**

This USB Hardware Key is your license.

The label on the USB Hardware Key must have **WinTotal v6.\*.\*\*** on the label. **Note:** \*.\* will contain numbers used for sub versions of WinTotal v6. The first number must be a **6**.

USB Hardware Keys for WinTotal v4 and v5 will not work in WinTotal v6.

If an old key is inserted the user will be prompted about this in the [WinTotal - Unregistered](#) screen.

For the USB Hardware Key to function a please insert the key and wait for the driver to be automatically installed by Microsoft Windows. When completed WinTotal can be launched.

If the USB Hardware Key is removed the program will revert to [Demo Mode](#).

If a v6 USB Hardware Key is not detected when the program is started please check the USB port is working and that you have no USB conflicts in the Windows Device Manager.

If all is correct check if the USB Hardware Key light is on.

If the light is not and the Windows Device Manager shows no errors then please contact [Technical Support](#).

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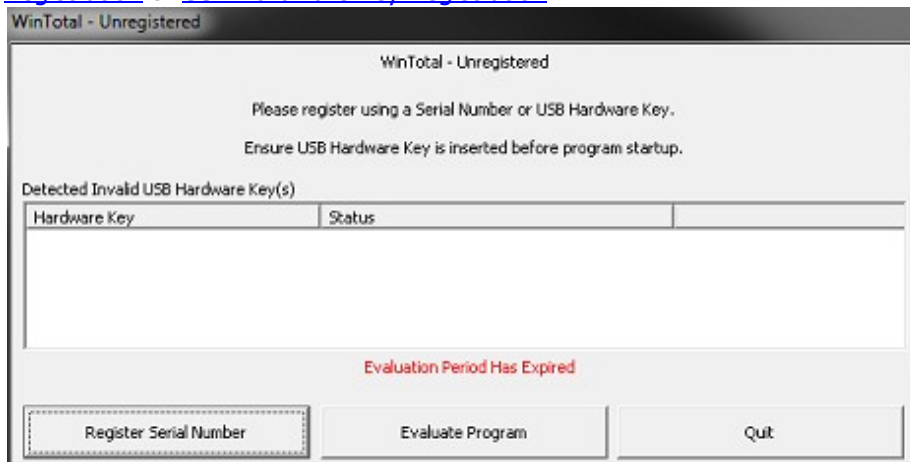
### **Important Information:**

- Only computers that require to [Print](#) need to be registered. Unregistered copies of WinTotal will run in [Demo Mode](#). This has full functionality but does not allow printing. For more information see the [Demo Mode](#) topic.
- The USB Hardware Key used for WinTotal v4, v5 and v6 is physically identical but is internally coded differently. Never insert more than 1 of these keys at a time to the PC as the program will only check the first found key. Newer version USB Hardware Keys will work on older versions. For Example a v6 USB Hardware Key will also license v4 and v5 versions of WinTotal. If you need multiple versions only insert the highest version USB Hardware Key.

# WinTotal - Unregistered

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The **WinTotal - Unregistered** screen is displayed when WinTotal cannot detect a valid [Serial Number Registration](#) or [USB Hardware Key Registration](#)



It will display information if an invalid **USB Hardware Key** is inserted. It will also display a warning if the **WinTotal Evaluation Period** has expired.

The screen has the following options

[Register Serial Number](#) - use this if you have purchased **EC9817-000 WINTOTAL-6-END-USER-LICENCE** - supplied with a Serial Number. See the [Serial Number Registration](#) topic for more information.

**Evaluate Program** - use this to run the program unregistered. This will display the [WinTotal - Evaluation Period](#) screen with a status of the **Evaluation Period**.

If this screen shows and you have a **WinTotal v6 USB Hardware Key** inserted please see the [USB Hardware Key Registration](#) topic.

# Register Serial Number

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The **Register Serial Number** screen is used to enter the **Software Registration** details and should be used if the following WinTotal version was purchased.

## EC9817-000 WINTOTAL-6-END-USER-LICENCE

Supplied with a Serial Number which must be registered online.

WinTotal - Software Registration

Please register using a Serial Number or USB Hardware Key.

**Customer Information**

Name \*

Company \*

Street \*

Post/ZIP code \* City \*

Country \*

- Please Select - \*

Email \*

Phone Fax

Serial Number \* Paste

Serial Number is Missing or Not Valid.

\* = Mandatory

**Register Information**

Registration Web Address

Web Site 1

Web Site 2

http://www.wintotal5.winreg.net

Print registration data

Save Registration Data

PC Number

6WSM8-A9PV2-2QXHD-3KXLF-74F2U-P WC

Unlock Code

Unlock Code is Missing or Not Valid.

Please Register The Program

Automatic Web Registration

Manual Web Registration

Quit

- Enter the **Customer Information** with a valid Email address. This will be used as the confirmation address for the registration details. Please enter data correctly as this may be need to provide support in the future or to retrieve a lost serial number.
- Enter the **Serial Number** supplied with the software.

There are then 4 different ways to register, these options will only be available if the mandatory **Customer Information** is entered correctly.

## Screen Options

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### Automatic Web Registration

When selected this option will connect to our registration server, retrieve the Unlock Code and register the program automatically.

**Note:** Valid Internet Connection Required

Depending on the network security settings this option may not always be allowed to function. If it does not please use one of the other registration methods.

### **Manual Web Registration**

When selected the registration data is transferred to one of the selected Internet pages and give an Unlock Code. This can then be entered into the Unlock Code box in the registration screen.

**Note:** Valid Internet Connection Required

Some Internet Browsers can append a space to the end of the unlock code when copying to the Windows Clipboard. Please ensure there are no spaces at the end of the Unlock Code box in the registration screen.

### **Print Registration Data**

This will allow the registration details to be printed to any Windows printer available on your system. This printout can then be taken to any computer with internet access and the data on the form entered into the web address (which is also printed).

**Note:** Valid Internet Connection NOT Required on the machine where WinTotal is installed.

### **Save Registration Data**

This option saves your registration details to a file. This file can then be transferred to disk, usb drive or network.

If this file is opened on a computer with a valid internet connection then the same web page as in the **Manual Web Registration** mode will be displayed giving an Unlock Code. This can then be entered into the Unlock Code box in the registration screen.

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If you have no internet access available to you either:

- E-mail the file created using the **Save Registration Data** to your **Dealer** or [Technical Support](#).
- Fax the printed registration data created using the **Print Registration Data** option to your **Dealer** or [Technical Support](#).

# WinTotal - Evaluation Period

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The **WinTotal - Evaluation Period** screen is displayed when a WinTotal is not registered.



It will display the number of days left in the fully functional **Evaluation Period**.

If 0 days are shown then then WinTotal will run in [Demo Mode](#).

# Demo Mode

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If when started WinTotal cannot detect a valid [Serial Number Registration](#) or [USB Hardware Key Registration](#) the program will function fully for a 14 day **Evaluation Period** beginning from the first time WinTotal v6 is installed on a PC.

Once the Evaluation Period has expired then the program will run in [Demo Mode](#).

The [WinTotal - Evaluation Period](#) screen will be displayed each time WinTotal is started or a print action is applied within the **Evaluation Period** displaying the number of days left.

For more information see the [Serial Number Registration](#) or [USB Hardware Key Registration](#) topic depending on the license purchased.

## **Demo Mode**

Once the **Evaluation Period** has expired the program will function but the following commands will not allow printing from any of the functions below. A message telling the user this information will be displayed.

[Database Printing](#)

[Print](#)

[Advanced Print](#)

[Manual Print](#)

[Paper Report](#)

[Print Log](#)

The [XMT Import Server](#) function will also be disabled.

All other functions will work on Unregistered versions of WinTotal allowing the user to create, edit, delete and import data.

# Printer Setup

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WinTotal uses its own built in drivers so to select the correct driver select the **Printer** in the [Printers](#) tab of the [System Setup](#) screen.

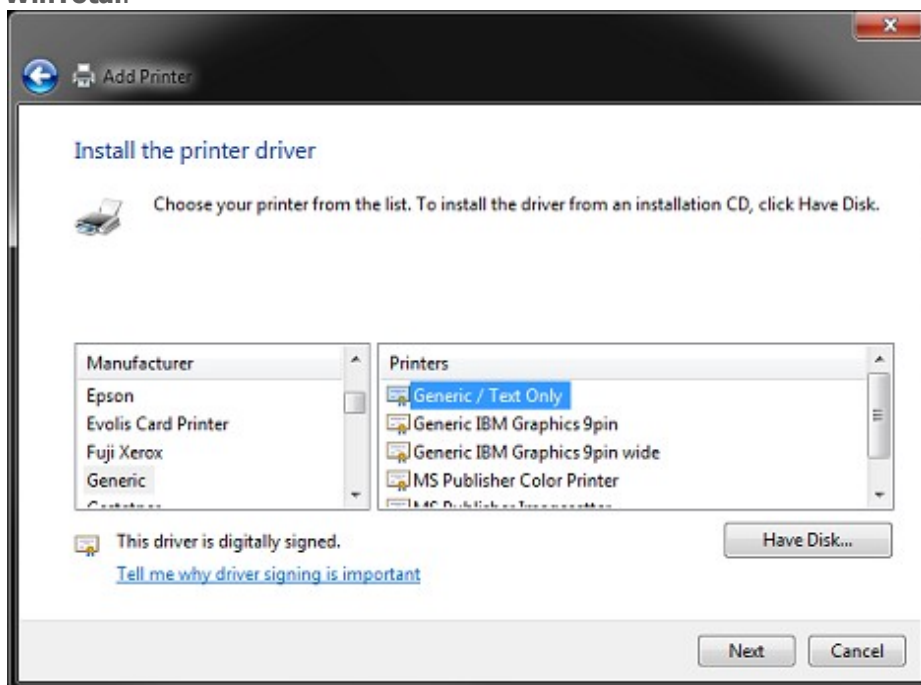
Although WinTotal uses its own drivers it must print via the Microsoft Windows Print Spooler.

For the correct **Port** to be visible in the [Printers](#) tab of the [System Setup](#) screen and the [Print](#) screen a valid **Printer** must be in the **Windows Control Panel**.

If the **Port** required is not available then please close WinTotal and add a **Printer** to this **Port** in the **Windows Control Panel**

Please follow the printer documentation on how to install the driver.

It is recommended that a "**Generic / Text Only**" driver is installed for each **Port** required to **Print** from **WinTotal**.



Please contact your IT Department if this is required.

# Starting WinTotal

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WinTotal can be launched from the WinTotal shortcut.



This is created by the installer on the common **Desktop** folder and the all users **Start Menu**

**Note:**

On Windows 8, 8.1, 10 and Server 2016 the shortcut is not created on the **Start Screen**. This can be done by right clicking the **Desktop** shortcut and selecting **Pin To Start**



# Upgrading From v5 to v6

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For a detailed list of changes and new features please see the [Release History](#) topic.

Below are the critical changes from v5 to v6 that a system administrator and user should know.

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## **New File Formats**

WinTotal v6 is using Unicode file formats allowing any language(s) to be used on the same **Legend** regardless of the Microsoft Windows settings.

For example a Microsoft Windows PC running in English can now enter or copy and paste data in Chinese, Russian and English. This was not previously possible in WinTotal v5.

For this reason the files used to save **Sets** and **User Defined Layouts** are different to in v5.

### **Set Files**

Set files from v5 have a **.wdf** file extension.

These files can be opened in v6 but not modified or printed.

The v5 files can only be opened via the [Open Set](#) command and are not visible in the **Selected Set** list box.

If a v5 set (.wdf) is opened the user will be asked to convert the file to the new file format **.wdfu**.

Due to Products, Font and Features changes between v5 and v6 some products may have to be converted to new products and fonts.

For more information please read the [Open Set](#) topic.

#### **NOTE:**

The original v5 sets will not be modified.  
WinTotal v6 can only save to v6 (.wdfu) format Sets.

### **User Defined Layouts**

User Defined Layouts in v5 have a **.wup** extension.

These files can be imported into v6 where they will be saved with the new file extension **.wupx**.

For more information please read the [User Defined Layouts](#) topic.

**NOTE:** The original User Defined Layouts will not be modified.  
WinTotal v6 can only save to v6 (.wupx) User Defined Layouts.

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## **Important!**

Please ensure that the [Printers](#) configuration is correct before attempting to open/import any files from WinTotal v5.

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### **Obsolete Printers**

Several printers have been made obsolete in WinTotal v6. For a list of these see the [Obsolete Printers](#) topic. If an obsolete printer is required please use WinTotal v5.

#### **NOTE:**

The T208M and T212M printers that are in WinTotal v6 were the models previously called T208M-NEW and T212M-NEW

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### **Obsolete Products**

Several products have been made obsolete in WinTotal v6. For a list of these see the [Obsolete Products](#) topic.

If an obsolete products is required please use WinTotal v5.

If a v5 set is opened using an Obsolete Product the user will be prompted to convert it to a new one. In some cases a recommended product will be suggested. See the [Open Set](#) topic and [Obsolete Products](#) topic for more information.

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### **Obsolete Fonts**

All Printer Embedded fonts have been made obsolete in WinTotal v6. For a list of these see the [Obsolete Fonts](#) topic. If these fonts are required please use WinTotal v5.

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### **Advanced Label Editing**

The Advanced Label Editing option is no longer supported in v6. To make changes previously made in this function the **User Defined Layouts** option should be used. Here the **Advanced Editing** option can be used to make changes previously made in the **Advanced Label Editing**. If required a **User Defined Layout** can be created from a v5 **Set** where these **Advanced Label Editing** changes were made.

See the [User Defined Layouts](#) topic for more information.

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# Basic Concepts

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The following topics are available to give an overview of the WinTotal software.

## [Quick Start](#)

This will show how to quickly enter data and print.

## [Screen Overview](#)

This shows the main screen and the key parts used in operating WinTotal.

## [Mouse Operation](#)

This will show the mouse click options available within WinTotal.

## [Printer & Product Support](#)

This will show the printers, printer functions, fonts and compatible products supported by WinTotal.

## [Getting Data From External Sources](#)

This will explain the different options to retrieve data from external files/databases and print that data from WinTotal.

## [Serializations](#)

This will explain how serializations (counters) can be configured.

## [Data Entry Order](#)

This will explain the different options available for the order data can be entered into WinTotal.

## [System Administration](#)

This will explain the File System used by WinTotal, backup recommendations and user access control

# Quick Start

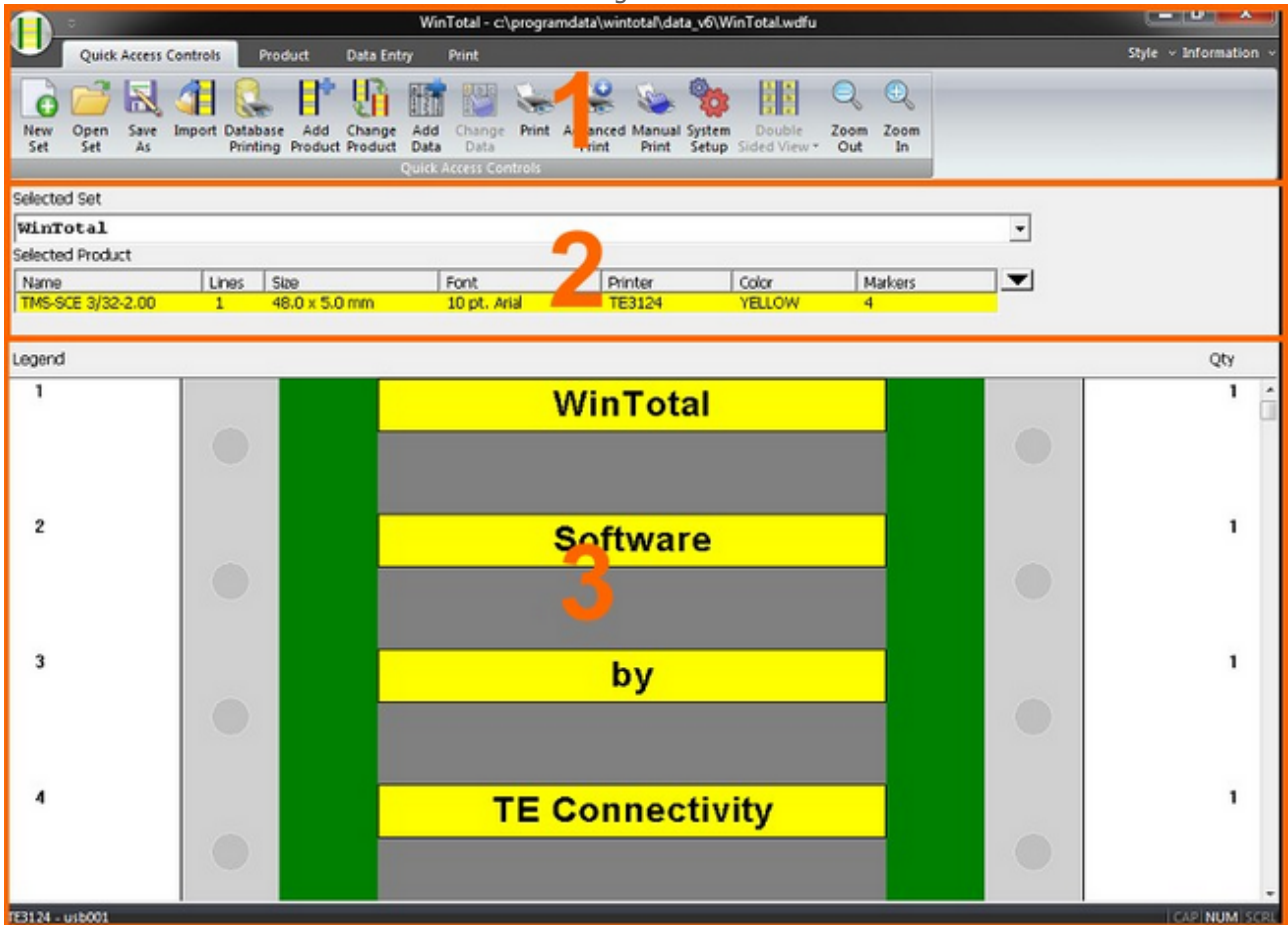
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1. Press the [New Set](#) button to create a new file (Set).
2. Press the [Add Product](#) button to select the product and printing details.
3. Press the [Add Data](#) button and type in the data to be printed.
4. Press the [Print](#) button to print the data.

# Screen Overview

The WinTotal main screen is divided into the following sections:



- [WinTotal Button](#), [Ribbon](#), [Quick Access Toolbar](#), [Style Menu](#) and [Information Menu](#).
- [Set and Product Selection](#)
- [Legend Data](#)

# Set and Product Selection

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This section contains 2 list boxes for selecting created **Sets** and **Products**.

Selected Set						
WinTotal						
Selected Product						
Name	Lines	Size	Font	Printer	Color	Markers
TMS-SCE 3/32-2.00	1	48.0 x 5.0 mm	10 pt. Arial	TE3124	YELLOW	4

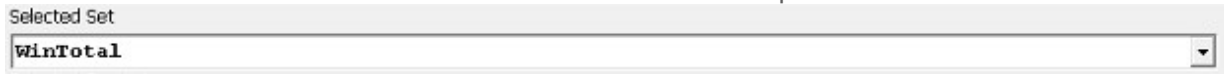
[Selected Set](#)

[Selected Product](#)

# Selected Set

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The **Selected Set** list box is used to select the current **Set** to be opened.



When clicked the list box will expand showing all available **Sets**, selecting one of them will make this the current **Set** to be used.

Only **Sets** in the current **Data Directory** will be available.

The current **Data Directory** is show at the top of the screen along with the **Selected Set**.



To select a different **Directory** the [New Set](#) command can be used to **Browse** to a new location.

Any new **Sets** that are created will automatically be added to this list box when they are created.

For more information about **Sets** see the [Data Management/Backup](#) topic.

## Selected Product

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The **Selected Product** list box is used to select the **Product** to be opened within the [Selected Set](#)

Selected Product						
Name	Lines	Size	Font	Printer	Color	Markers
TMS-SCE 3/32-2.00	1	48.0 x 5.0 mm	10 pt. Arial	TE3124	YELLOW	4

Within a **Set** up to 100 different unique **Products** can be created and selectable.

When clicked the list box will expand showing all available **Products**, selecting one of them will make this the current **Product** to be used.

Only **Products** within the current [Selected Set](#) will be available.

The order that the list box is sorted as default is the order the **Products** are added. This can be temporarily be sorted by any available heading by clicking on it.

The list box as default displays the following information.

**Name** - this is the **Product Name**

**Lines** - this is the number of data **Lines** created on the **Product**.

**Size** - this will show the **Width** then **Height** of the **Product**.

**Font** - this will show the **Font** used in the **Product**.

**Printer** - this will show the **Printer** used in the **Product**.

**Color** - this will show the **Color** of the **Product** as text - the **Product** is always shown in **Color**.

**Markers** - this will show the quantity of **Markers** (rows of **Labels** or **Sleeves** ) within the **Product**. If an **Auto Numbering Product** is created then **\$\$** will be displayed.

The additional options are available to be used:

**Length** - this will show the **Length** or **Auto Size** if any **Continuous Product** that is selected.

**CPI** - this will show the CPI - Characters Per Inch value of the **Font** used in the **Product**.

**Double Sided** - this will display **Yes** or **No** to show if a **Double Sided Product** is selected.

**Bold** - this will show **Yes** or **No** to determine if the **Bold** option for a **Font** is selected.

**Horizontal Align** - this will show either **Left**, **Center** or **Right** to show the **Horizontal Align** of the **Lines** of data.

**Vertical Align** - this will show either **Top**, **Center** or **Bottom** to show the **Vertical Align** of the **Lines** of data.

**Height** - this will show the **Height** of the **Product**.

**Width** - this will show the **Width** of the **Product**.

**Rotation** - this will show either 0, 90, 180 or 270 to show the **Rotation** in ° for the **Lines** of data.

These can be configured via the [View](#) tab in the [System Setup](#) screen.



# Legend Data

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The Legend section contains the data for the [Selected Product](#) in the [Selected Set](#).

Legend		Qty
1	WinTotal	1
2	Software	1
3	by	1
4	TE Connectivity	1

This section has the following column headers

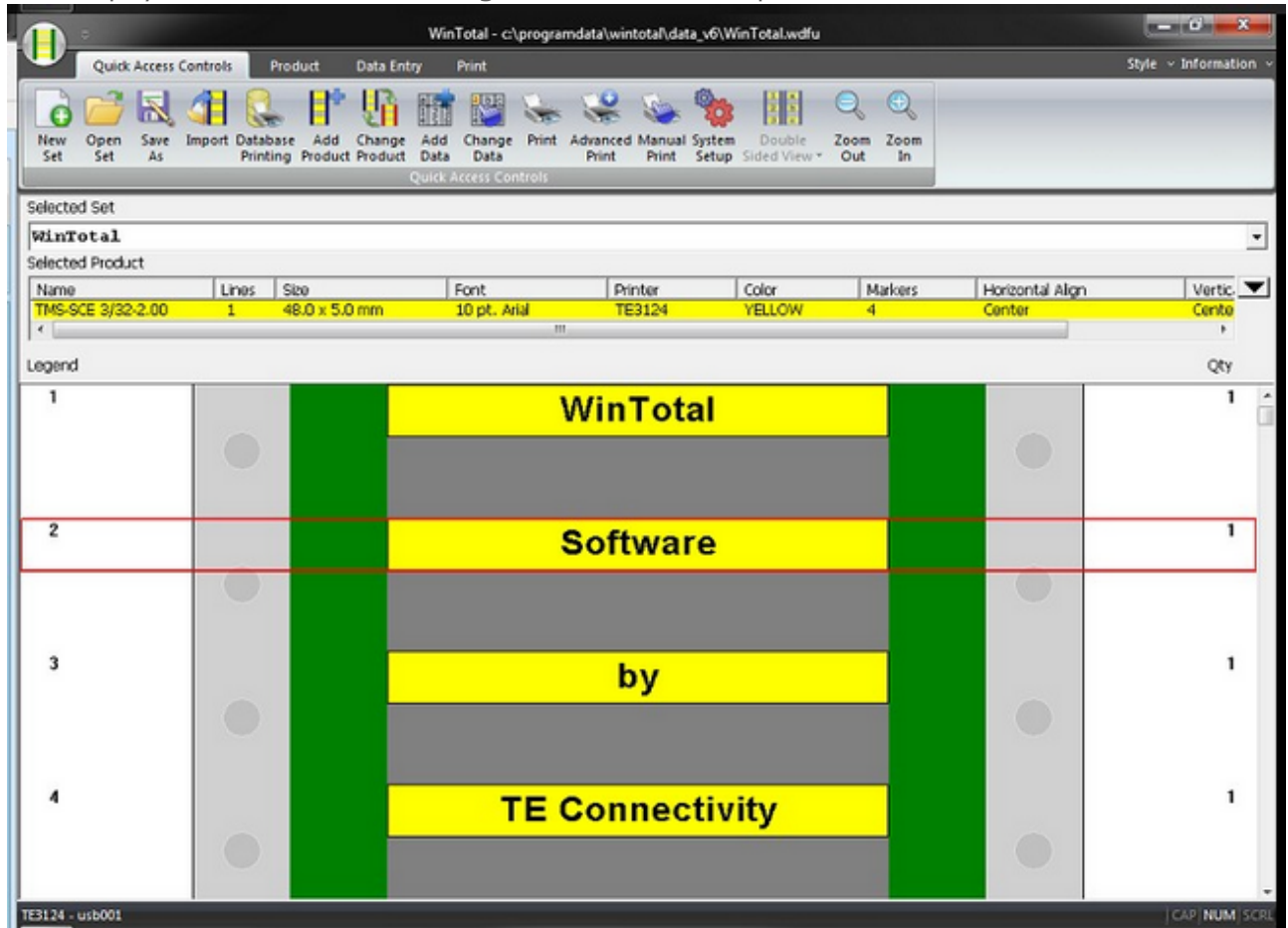
**Legend** - this is the **Legend** number. The **Legend** number is automatically generated and is used in various parts of the program to [Find](#), [Replace](#), [Insert Data](#), [Delete Data](#), [Copy Data](#), [Move Data](#) and [Print](#) data based upon the **Legend** number or **Legend** range.

**Qty** - this is where the quantity of a **Legend** can be displayed.

# Mouse Operation

The following mouse functions are available.

- Click with the Left button on a marker to select or deselect a **Legend** to work with. A "Selected" **Legend** is displayed with a box around it. **Legend No. 2** in the example below.



- Click with the Left button in the **Qty** column to change the quantity of the selected **Legend**. **Legend No. 2** in the example below.

WinTotal - c:\programdata\wintotal\data\_v6\WinTotal.wdfu

Quick Access Controls Product Data Entry Print Style Information

New Set Open Set Save As Import Database Printing Add Product Change Product Add Data Change Data Print Advanced Print Manual Print System Setup Double Sided View Zoom Out Zoom In

Quick Access Controls

Selected Set  
WinTotal

Selected Product

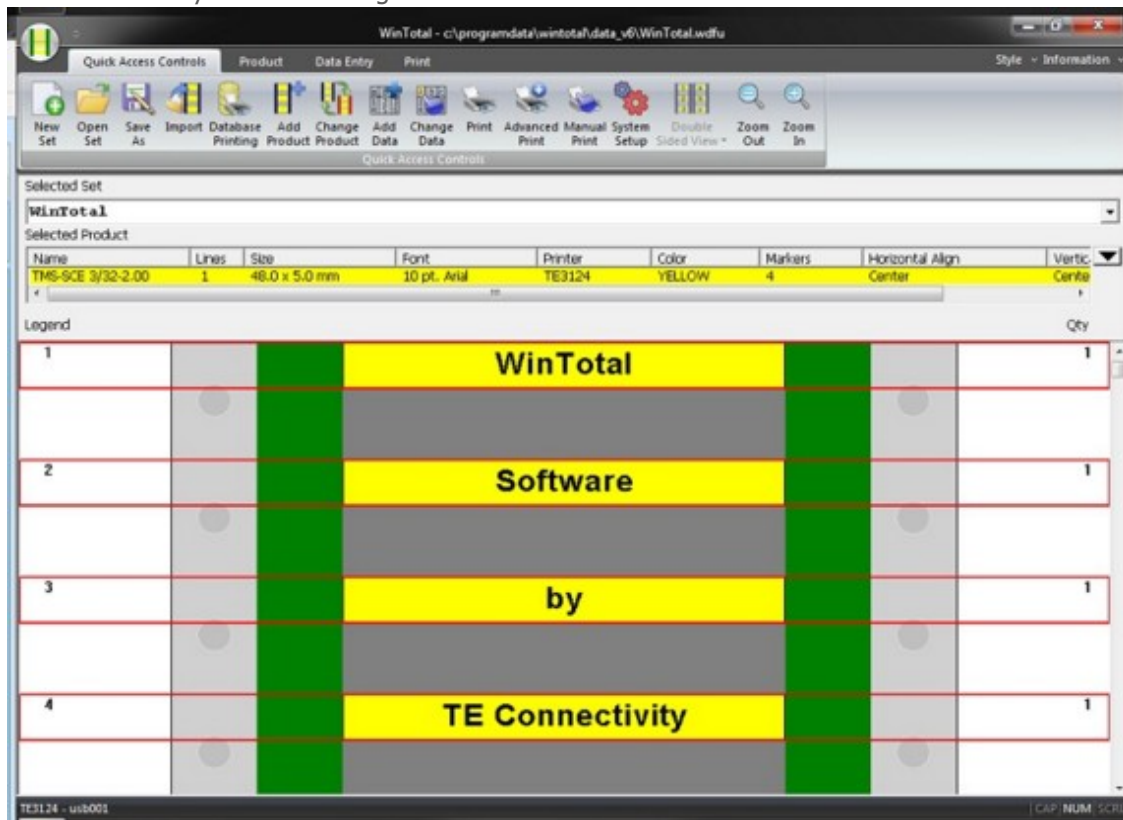
Name	Lines	Size	Font	Printer	Color	Markers	Horizontal Align	Vertic
TMS-SCE 3/32-2.00	1	48.0 x 5.0 mm	10 pt. Arial	TE3124	YELLOW	4	Center	Centr

Legend Qty

1			<b>WinTotal</b>		1
2			<b>Software</b>		
3			<b>by</b>		1
4			<b>TE Connectivity</b>		1

TE3124 - usb001 [CAP: NUM: SCR]

- Click with the Left button on any of the **Legend** numbers will select all markers. Click with the Right button in any area of the Legend section will deselect all markers.



# Printer & Product Support

---

WinTotal uses its own built in **Printer** drivers.

The following topics are available

[Printer Support](#) - this shows the available Printers in WinTotal.

[Multiple Application Port Printing \(MAPP\)](#) - this describes the MAPP function to assign **Products** and directories to specific **Printers**.

[Printer Calibration](#) - this describes what a printer calibration is and which **Printers** require it and when.

## Printer Support

---

The following **Thermal Transfer Printers** are available in WinTotal. An overview of their specification and WinTotal customizable options can be seen by selecting the corresponding model.

<b>Name</b>	<b>Resolution</b>	<b>Primary Function</b>
<b>Cab A4+300</b>	12dpm/300dpi	Sleeve and Labels Printer
<b>T200 Ident</b>	12dpm/300dpi	Sleeve and Labels Printer
<b>T200 Label</b>	8dpm/200dpi	Labels Printer
<b>T2000CT</b>	12dpm/300dpi	Continuous Sleeves Printer
<b>T208M</b>	8dpm/200dpi	Sleeve and Labels Printer
<b>T212M</b>	12dpm/300dpi	Sleeve and Labels Printer
<b>T312M</b>	12dpm/300dpi	Sleeve and Labels Printer
<b>T312Mi</b>	12dpm/300dpi	Sleeve and Labels Printer
<b>T6112DS</b>	12dpm/300dpi	Double Sided Sleeve Printer
<b>TE3112</b>	12dpm/300dpi	Sleeve and Labels Printer
<b>TE3124</b>	24dpm/600dpi	Sleeve and Labels Printer
<b>Zebra 170xi</b>	8dpm/200dpi	6" Wide Labels Printer

# Multiple Application Port Printing (MAPP)

Multiple Application Port Printing (MAPP) is the term used where different **Products** or **Data Directory** can be assigned to **Print** to a specific **Printer**.

The options available to configure a MAPP system is infinite and its requirements will vary from user to user.

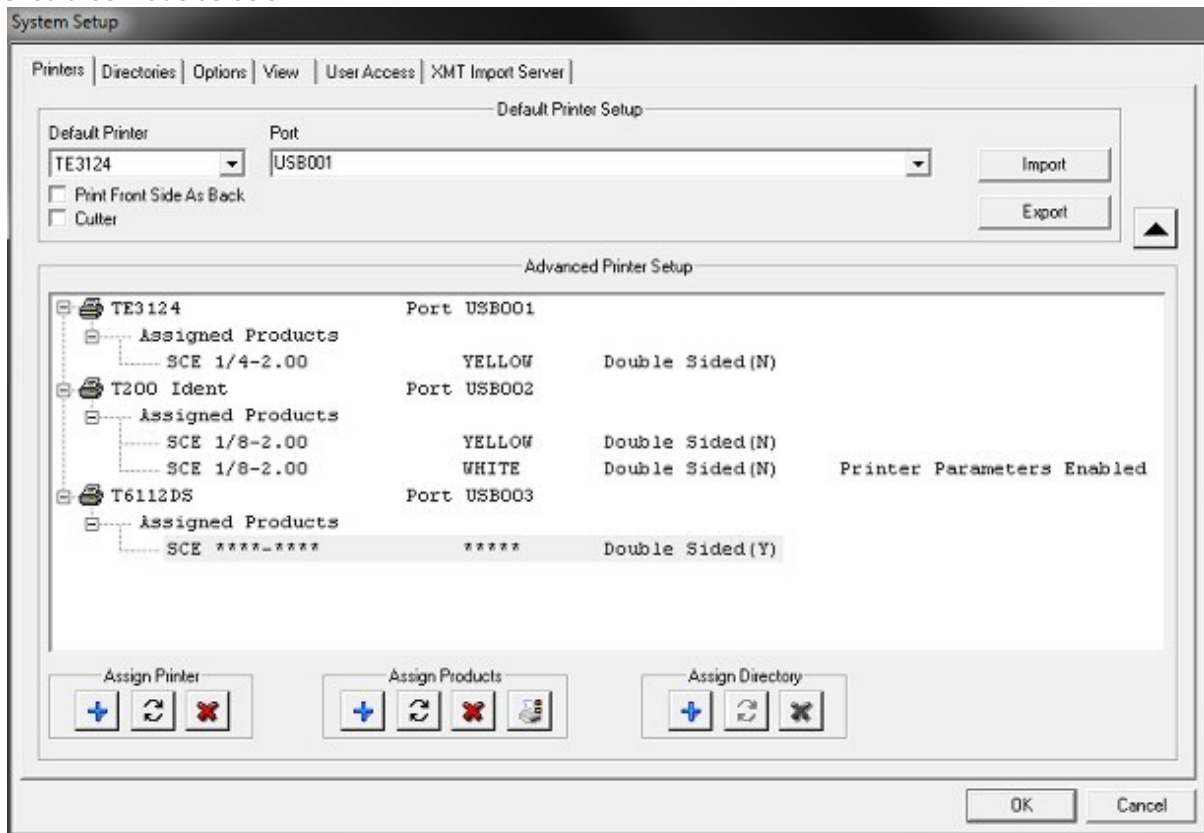
See the example below to get an idea of how the MAPP system could be used. For more information please contact your TE Connectivity representative

## Example

A user has the following **Printers** and wishes to always **Print** the corresponding **Products** on that **Printer**

No	Printer	Port	Products to be printed
1	TE3124	USB001	All SCE 1/4-2.00 Yellow sleeves that are not <b>Double Sided</b> plus any non-defined <b>Products</b> .
2	T200 Ident	USB002	SCE 1/8-2.00 White sleeves that are not <b>Double Sided</b> . SCE 1/8-2.00 Yellow sleeves that are not <b>Double Sided</b> .
3	T6112DS	USB003	All SCE <b>Sleeve Products</b> that are <b>Double Sided</b>

To make the above combination work the configuration in the **Printers** tab of the **System Setup** screen should be made as below.



With this configuration the user would automatically get the right data sent to the correct **Printer**

# Printer Calibration

---

This process that is often required by some **Printers** before a **Product** can be successfully printed.

The calibration process often measures the **Product** and configures internal values according to this measurement.

To perform a calibration the printer must be correctly loaded with ribbon and **Product** and not displaying any error messages.

Calibration should always be done under the following conditions

1. Correct **Print** position cannot be achieved.
2. **Product, Size, Color** or material type is changed.
3. **Printer** has been used by other software programs.

The table below shows which **Printers** require calibration.

Model	Calibration Required	Recommended Calibration Method
CAB A4+300	No	N/A
T200 Ident	No	N/A
T200 Label	No	N/A
T2000CT	No	N/A
T208M	Yes	Calibration button in <a href="#">Print</a> screen
T212M	Yes	Calibration button in <a href="#">Print</a> screen
T312M	Yes	Calibration button in <a href="#">Print</a> screen
T312Mi	Yes	Calibration button in <a href="#">Print</a> screen
T6112DS	No	N/A
TE3112	No	N/A
TE3124	No	N/A
Zebra 170xi	Yes	Calibration button in <a href="#">Print</a> screen



# Getting Data From External Sources

---

If the data to be printed from WinTotal exists in another source it can in most cases be accessed directly from WinTotal.

## Importing

This is when data is taken from an external file/data source and imported into WinTotal. This data is then stored for future use and printing.

## Live Printing

This is similar to importing but no data is stored in WinTotal. The data is retrieved from the external file/data source, printed and then deleted. This process ensures that the latest data from the source is always printed.

---

Three different data types that can be accessed from WinTotal, some of which are used in **Importing** and **Live Printing** methods.

Type	Description	Example File Types	Imported	Live Printing
<a href="#">Ascii Text Files</a>	<b>Data</b> and optional <b>Quantity</b> details can be used	TXT, CSV	<b>Yes</b> Via <a href="#">Import</a> option.	<b>No</b>
<a href="#">XMT Files</a>	WinTotal specific format containing <b>Data</b> , <b>Quantity</b> and <b>Product</b> details .	XMT	<b>Yes</b> Via <a href="#">Import</a> option.	<b>Yes</b> Via <a href="#">XMT Import Server</a> option.
<a href="#">Windows Databases</a>	Directly connecting to a database or spreadsheet via the Microsoft ODBC interface. <b>Data</b> and optional <b>Quantity</b> details can be used	Microsoft Excel Microsoft Access Dbase SQL	<b>Yes</b> Via <a href="#">Import</a> option.	<b>Yes</b> Via <a href="#">Database Printing</a> option.

# Ascii Text Files

---

Ascii files are text files which can be imported into WinTotal.

They are often generated by other programs but they can also be created manually using a text editor.

They are most commonly files with the extension TXT or CSV - both of these file formats can be generated from most office and production programs.

On scored and multi column **Product** a **Field Separator** must be defined to specify the location of data.

A **Field Separator**, also known as a **Delimiter** is a character that is used in a Ascii file to specify when a new data field is.

The ideal format for a Ascii is that 1 line of data equals to one **Sleeve** or row of **Labels**. Other options can be applied with different options.

Please see the following examples.

---

### Ascii Text Files Example 1.

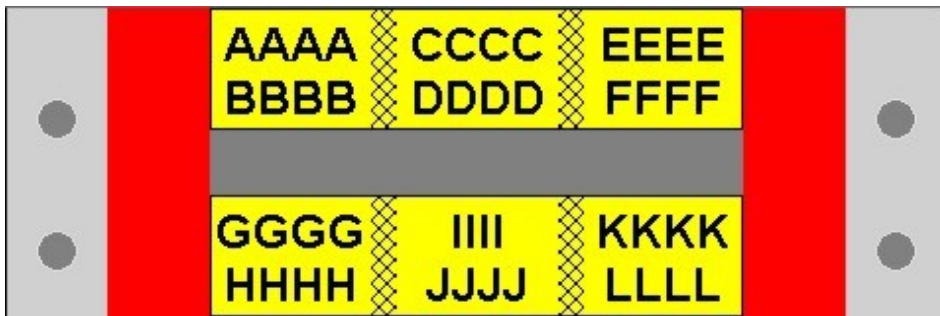
The following data can be created using the following text file format.



#### Comma Delimited File

```
AAAA, BBBB, CCCC, DDDD, EEEE, FFFF  
GGGG, HHHH, IIII, JJJJ, KKKK, LLLL
```

The same file can also be imported to be as the image below if the **Import Order: Down-Across** option is selected.



### Ascii Text Files Example 2.

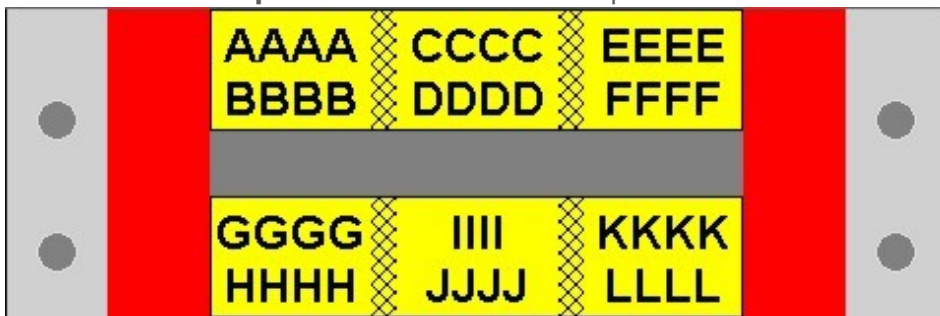
The following data can also be created using the following text file format., combined with the **Physical Lines Per Logical** option value of 2.



#### Comma Delimited File

```
AAAA, BBBB, CCCC  
DDDD, EEEE, FFFF  
GGGG, HHHH, IIII  
JJJJ, KKKK, LLLL
```

The same file can also be imported to be as the image below if the **Physical Lines Per Logical** option value of 2 and the **Import Order: Down-Across** option is selected.



### Ascii Text Files Example 3.

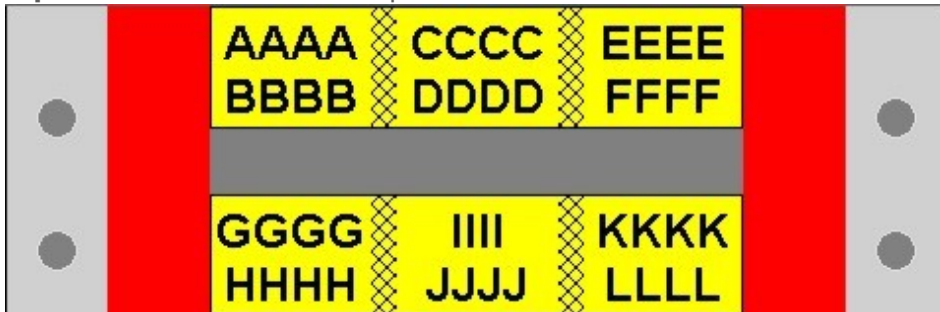
The following data can be created using the following text file format, combined with the **One Field Per Line** option



#### Comma Delimited File

```
AAAA  
BBBB  
CCCC  
DDDD  
EEEE  
FFFF  
GGGG  
HHHH  
IIII  
JJJJ  
KKKK  
LLLL
```

The same file can also be imported to be as the image below if the **One Field Per Line** option and the **Import Order: Down-Across** option is selected.



#### Ascii Text Files Example 4.

The following data can be created using the following text file format, combined with the **Ignore Line Breaks** option. This is useful for poorly formatted files.

AAAA	BBBB	CCCC
DDDD	EEEE	FFFF
GGGG	HHHH	IIII
JJJJ	KKKK	LLLL

#### Comma Delimited File

```
AAAA, BBBB  
CCCC, DDDD, EEEE  
FFFF, GGGG  
HHHH, IIII, JJJJ, KKKK  
LLLL
```

The same file can also be imported to be as the image below if the **Ignore Line Breaks** option and the **Import Order: Down-Across** option is selected.

AAAA	CCCC	EEEE
BBBB	DDDD	FFFF
GGGG	IIII	KKKK
HHHH	JJJJ	LLLL

# XMT Files

---

XMT Files are text files which have a specific format unique to WinTotal.

**Product**, **Font**, **Color** and quantities to **Print** are also specified in this file along with the data to print.

Multiple **Products** can be imported from 1 file into 1 **Set**. One file can be created to make one **Set** with up to 100 different **Products** in it.

The advantage of this format is that the user does not have to specify any parameters when importing as they are defined in the file.

This file can be used with the [XMT Import Server](#) option to automatically detect, **Import** and **Print** XMT files.

The format and syntax of a XMT file is very specific and is described below.

XMT filename must have the extension .xmt. The filename of the xmt is the **Set Name** that will be used when importing. Eg. ABC123.xmt will **Import** into **Set** ABC123.

Line 1 This must contain "**TMS90**"

Line 2 Character 1 must contain a "**9**". Characters 2-101 are optional to store the **Set Description** field, if required.

Line 3 Character 1 must contain either a "**8**" or "**4**". 8 for a **Standard Product** or 4 for a **User Defined Layout**.

Character 2-21 should contain the description for the **Product** to be imported as shown in the [List Standard Products](#) screen.

Character 22 should contain the **Color** code for the **Product** to be imported. See the [XMT Color Codes](#) topic.

Character 23 should contain the **Font** code for the **Product** to be imported. See the [XMT Font Codes](#) topic.

The next character should contain either an "S" or "D" to indicate whether the **Product** has one side or is (**Double Sided**).

If a D option is selected then instead of using a 6 for the data as in Line 5 the "**0**" can be used to specify the back side data

The next characters are only for **Continuous Products** used to specify their length.

These can be in mm or inches. **M** is used to identify mm and **I** is used to identify inches. mm values are to 1 decimal place and inches values are to 2.

Example 3 shows all options for **Continuous Products**.

**Note** if a True Type font code is used place the "S" or "D" immediately after this code - it will be at a higher character position than 25 but on True Type font coded this is ok.

Line 4 Character 1 must contain a "**7**" followed by a 4-digit quantity (valid range 0001-9999) indicating the number of times the following marker data is to be printed for each time the entire list is printed.

Line 5 Character 1 must contain a "**6**". The **Legend** data for a single line or pre-scored section starts at position 2.

The lines 4 through 5 are then repeated for the data.

If a new **Product** is required then a new Line 3 type of data can be inserted

When the file is finished a "**5**" must be inserted as character 1 in the last line.

Please see the following examples.

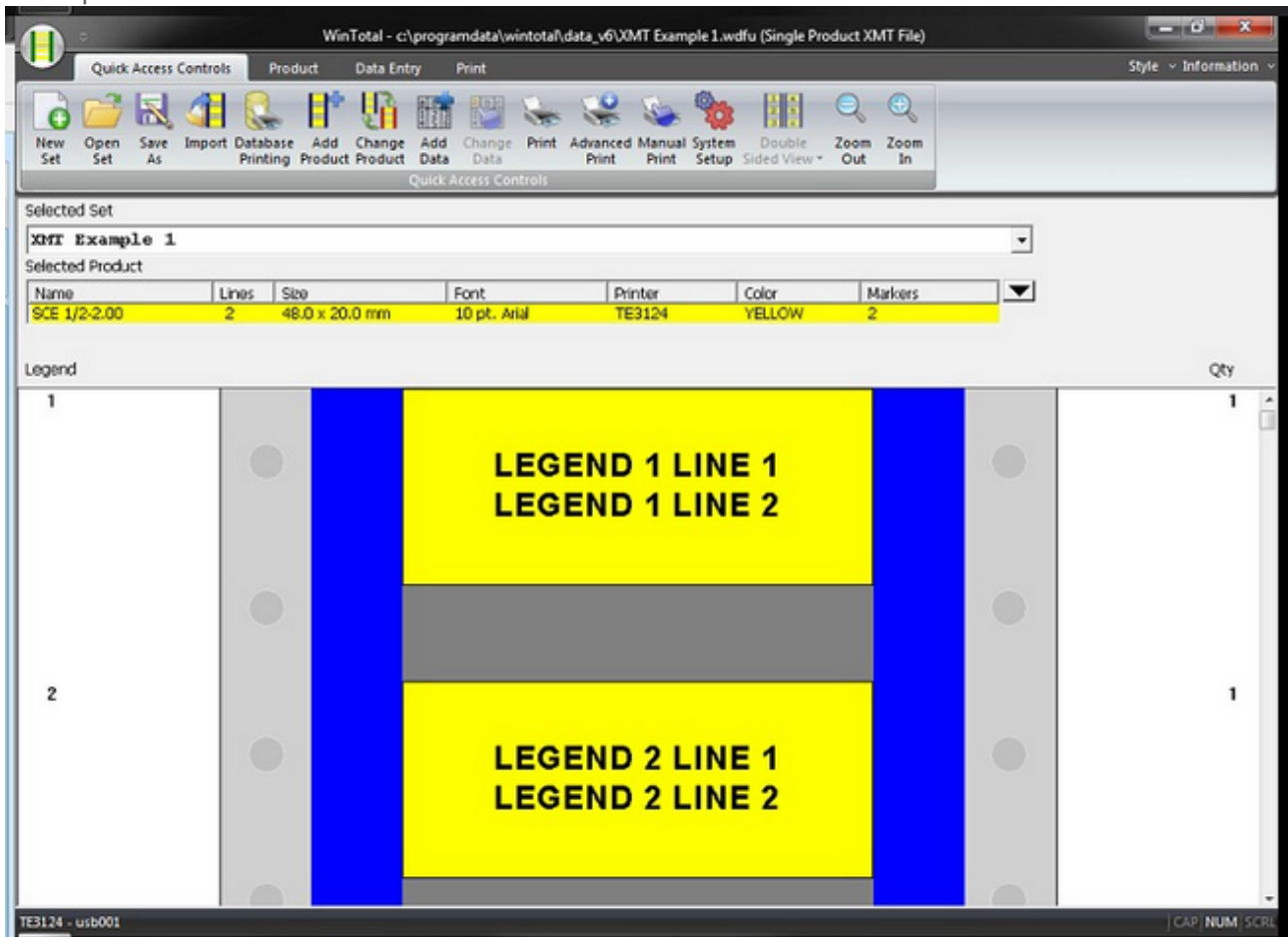
**XMT Files Example 1.**

**Set Description** Single Product XMT File  
**Product** Yellow SCE 1/2-2.00 - (8SCE 1/2-2.00 4)  
**Font** 10 Point Arial Bold - ("Arial::10(b)")  
**Double Sided** No - (S)  
**Lines** 2

This file would look like below:

```
TMS90
9Single Product XMT File
8SCE 1/2-2.00      4"Arial::10(b)"S
70001
6LEGEND 1 LINE 1
6LEGEND 1 LINE 2
70001
6LEGEND 2 LINE 1
6LEGEND 2 LINE 2
5
```

The imported **Set** in this would look like below.





**XMT Example 2.**

<b>Product No</b>	<b>Set Description</b>	<b>Multiple Product XMT File</b>	
	<b>Product 1</b>		
	<b>Product</b>	White 3/8-2.00 - (8SCE 3/8-2.00	9)
<b>1</b>	<b>Font</b>	10 Point Arial Bold - ("Arial::10(b)")	
	<b>Double Sided</b>	No - (S)	
	<b>Lines</b>	2	
	<b>Product</b>	Yellow 3/4-2.00 - (8SCE 1/2-2.00	4)
<b>2</b>	<b>Font</b>	7 Point Arial Bold - ("Arial::7(b)")	
	<b>Double Sided</b>	Yes - (D)	
	<b>Lines</b>	2	

This file would look like below:

```
TMS90
9Multiple Product XMT File
8SCE 3/8-2.00          9"Arial::10(b)"S
70001
6LEGEND 1 LINE 1
6LEGEND 1 LINE 2
70001
6LEGEND 2 LINE 1
6LEGEND 2 LINE 2
8SCE 3/4-2.00          4"Arial::7(b)"D
70001
6FIRST LEGEND FRONT LINE 1
6FIRST LEGEND FRONT LINE 2
0FIRST LEGEND BACK LINE 1
0FIRST LEGEND BACK LINE 2
70001
6SECOND LEGEND FRONT LINE 1
6SECOND LEGEND FRONT LINE 2
0SECOND LEGEND BACK LINE 1
0SECOND LEGEND BACK LINE 2
5
```

The imported **Set** would look like below.

WinTotal - c:\programdata\wintotal\data\_v6\XMT Example 2.wdfu (Multiple Product XMT File)

Quick Access Controls Product Data Entry Print Style Information

New Set Open Set Save As Import Database Printing Add Product Change Product Add Data Change Data Print Advanced Print Manual Print System Setup Double Sided View Zoom Out Zoom In

Selected Set  
XMT Example 2

Selected Product

Name	Lines	Size	Font	Printer	Color	Markers
SCE 3/8-2.00	2	48.0 x 15.0 mm	10 pt. Arial	TE3124	WHITE	2

Legend

Qty
1
1

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WinTotal - c:\programdata\wintotal\data\_v6\XMT Example 2.wdfu (Multiple Product XMT File)

Quick Access Controls Product Data Entry Print Style Information

New Set Open Set Save As Import Database Printing Add Product Change Product Add Data Change Data Print Advanced Print Manual Print System Setup Double Sided View Zoom Out Zoom In

Selected Set  
XMT Example 2

Selected Product

Name	Lines	Size	Font	Printer	Color	Markers
SCE 3/4-2.00	2	48.0 x 30.0 mm	7 pt. Arial	TE3124	YELLOW	2

Legend

Qty
1
1

TE3124 - usb001



### **XMT Example 3.**

<b>Product No</b>	<b>Set Description</b>	
	<b>Product</b>	Multiple Continuous Product XMT File
	<b>Font</b>	White TTPA 010**-10 - (TTPA 010**-10 9)
<b>1</b>	<b>Double Sided</b>	10 Point Arial Bold - ("Arial::10(b)")
	<b>Lines</b>	No - (S)
	<b>Length</b>	1
	<b>Product</b>	1 inch - (I1.00)
	<b>Font</b>	Red TTPA 010**-10 - (TTPA 010**-10 2)
<b>2</b>	<b>Double Sided</b>	10 Point Arial Bold - ("Arial::10(b)")
	<b>Lines</b>	No - (S)
	<b>Length</b>	1
		10mm - (10)

This file would look like below:

```
TMS90
9Continuous Import Test With Lengths
8TTPA 010**-10      9"Arial::10(b)"S11.00
70001
6MARKER 1
70001
6MARKER 2
70001
6MARKER 3
70001
6MARKER 4
70001
6MARKER 5
8TTPA 010**-10      2"Arial::10(b)"S10
70001
6MARKER 1
70001
6MARKER 2
70001
6MARKER 3
70001
6MARKER 4
70001
6MARKER 5
5
```

The imported **Set** would look like below.

WinTotal - c:\programdata\wintotal\data\_v6\XMT Example 3.wdfu (Continuous Import Test With Lengths)

Quick Access Controls Product Data Entry Print Style Information

New Set Open Set Save As Import Database Printing Add Product Change Product Add Data Change Data Print Advanced Print Manual Print System Setup Double Sided View Zoom Out Zoom In

Selected Set  
XMT Example 3

Selected Product

Name	Lines	Size	Font	Printer	Color	Markers
TTPA 010**-10	1	25.4 x 25.4 mm	10 pt. Arial	TE3124	WHITE	5

Legend Qty

1	MARKER 1	1
2	MARKER 2	1
3	MARKER 3	1
4	MARKER 4	1
5	MARKER 5	1

TE3124 - usb001 [CAP NUM SCRL]

WinTotal - c:\programdata\wintotal\data\_v6\XMT Example 3.wdfu (Continuous Import Test With Lengths)

Quick Access Controls Product Data Entry Print Style Information

New Set Open Set Save As Import Database Printing Add Product Change Product Add Data Change Data Print Advanced Print Manual Print System Setup Double Sided View Zoom Out Zoom In

Selected Set  
XMT Example 3

Selected Product

Name	Lines	Size	Font	Printer	Color	Markers
TTPA 010**-10	1	25.4 x 10.0 mm	10 pt. Arial	TE3124	RED	5

Legend Qty

1	MARKER 1	1
2	MARKER 2	1
3	MARKER 3	1
4	MARKER 4	1
5	MARKER 5	1

TE3124 - usb001 [CAP NUM SCRL]



## XMT Color Codes

---

The **Color** codes for [XMT Files](#) below should be entered in position 22 of the **Product** record line of the XMT file. The Pink **Color** code cannot be entered in the XMT file.

To get the **Color** Pink the **Product** should be changed using the [Change Product](#) option..

0 = Black  
1 = Brown  
2 = Red  
3 = Orange  
4 = Yellow  
5 = Green  
6 = Blue  
7 = Violet  
8 = Grey  
9 = White  
A = Pink  
B = Silver  
I = Clear  
J = Amber  
K = Oyster  
L = Tan

# XMT Font Codes

---

WinTotal v6 only supports True Type fonts. For more information on which is best see the [Font Selection](#) topic.

If you have XMT files with older **Printer Embedded Font Codes** WinTotal will convert these fonts when importing using the [Font Conversion Table](#).

It is recommended however to change the source XMT files to use the new True Type codes.

The syntax below is required for True Type Font Arial and Courier New.

"<Font Name>::**<Point Size>**(<Bold and 6 and 9 Underline configuration>)"

The (<Bold and 6 and 9 Underline configuration>) enclosed in parenthesis is optional.

The letter "**B**" or "**b**" is used to specify **Bold** font.

The string "**U69**" or "**u69**" is used to specify **6 and 9 Underline** characters.

## Examples 1

8SCE 1/4-2.00      9"Arial::10(b)"D  
Font equals        10 point Arial, Bold, Double Sided

## Example 2

8SCE 1/4-2.00      9"Arial::10"S  
Font equals        10 point Arial, not Bold, not Double Sided

## Example 3

8SCE 1/4-2.00      9"Arial::8(bu69)"S  
Font equals        8 point Arial, Bold, 6 and 9 Underline, not Double Sided

## Example 4

8SCE 1/4-2.00      9"Arial::14(u69)"D  
Font equals        14 point Arial, 6 and 9 Underline, Double Sided

## Example 5

8SCE 1/4-2.00      9"Courier New::10(b)"D  
Font equals        10 point Courier New, Bold, Double Sided

It is critical that the codes are created with the quotation and colons in exactly the correct position as in the samples above.

The S or D side option should come directly after the last quotation.



# Windows Databases

---

Windows Databases is an option to connect directly to an external database file and **Import** data from it.

The technology to do this is supplied in Microsoft Windows and is called ODBC (Open Database Connectivity). Any ODBC compatible database data can be imported into WinTotal.

The only requirement for WinTotal is that the ODBC Database Driver is installed on the machine where WinTotal is installed and that the user has the access rights to read the database. Contact your system administrator if you have any questions on the installation of ODBC drivers.

There are two ways that WinTotal can access a **Windows Database**.

## **Import**

This option will **Import** that data from the selected database and save it in WinTotal. The connection to the database is only required at the time of **Import**. Any changes to the database **will not** be automatically sent to WinTotal. To get any updated data from the database the data must be deleted and re-imported into WinTotal. Once imported, the data **is** available for users to **Print** and Edit as required in WinTotal without any changes being made in the source database. This option is available from the [Windows Database](#) tab in the [Import](#) screen.

## **Database Printing**

This option will **Import** and **Print** the data from the database but never save the data. the connection to the database is always required at **Print** time. Any changes to the database **will** be automatically sent to WinTotal. The user will only have the option to **Print** the data found in the database, editing is **not** allowed in WinTotal and no changes are made in the source database. This option is available from the [Database Printing](#) option.

---

For both [Import](#) and [Database Printing](#) options a connection to the database must be made. In both screens there are options for **New Connection** and **Edit Connection**. These options will opens the [Database Connection Setup](#) screens. Following these screens and their options to configure the database connection.

---

## **Troubleshooting**

If connection to a ODBC Windows Database give incorrect results please check the following

- The Database you are connecting to is not opened by another program.
- You have the correct ODBC drivers installed.

**Note:** In Microsoft Excel there are two ways to specify which data is available in WinTotal.

- Named Area - This is where the user can specify which area of the spreadsheet to be used. To do this select the area required, then select the **Insert Menu**, then select **Name**, then select **Define**. Type in a **Name** and save and quit the file. This Name is then used in the **Select Tables** screen of the **Import** wizard
- The other option is not to create a Named Area - in this case WinTotal will find the data based on the data that can be found in the sheet.

# Database Connection Setup

---

The **New Connection** and **Edit Connection** buttons are located in the following screens

1. The [Windows Database](#) tab of the [Import](#) screen
2. The [Database Printing](#) screen.

These screens are shown in the following order:

[Select Data Source](#)- only shown when a **New Connection** is made.

[Select Tables](#)

[Select Columns](#)

[Select Filter](#) - only shown if the **Show Filter Screen** option is selected in the [Select Columns](#) screen.

[Preview of Selected Tables and Columns](#)

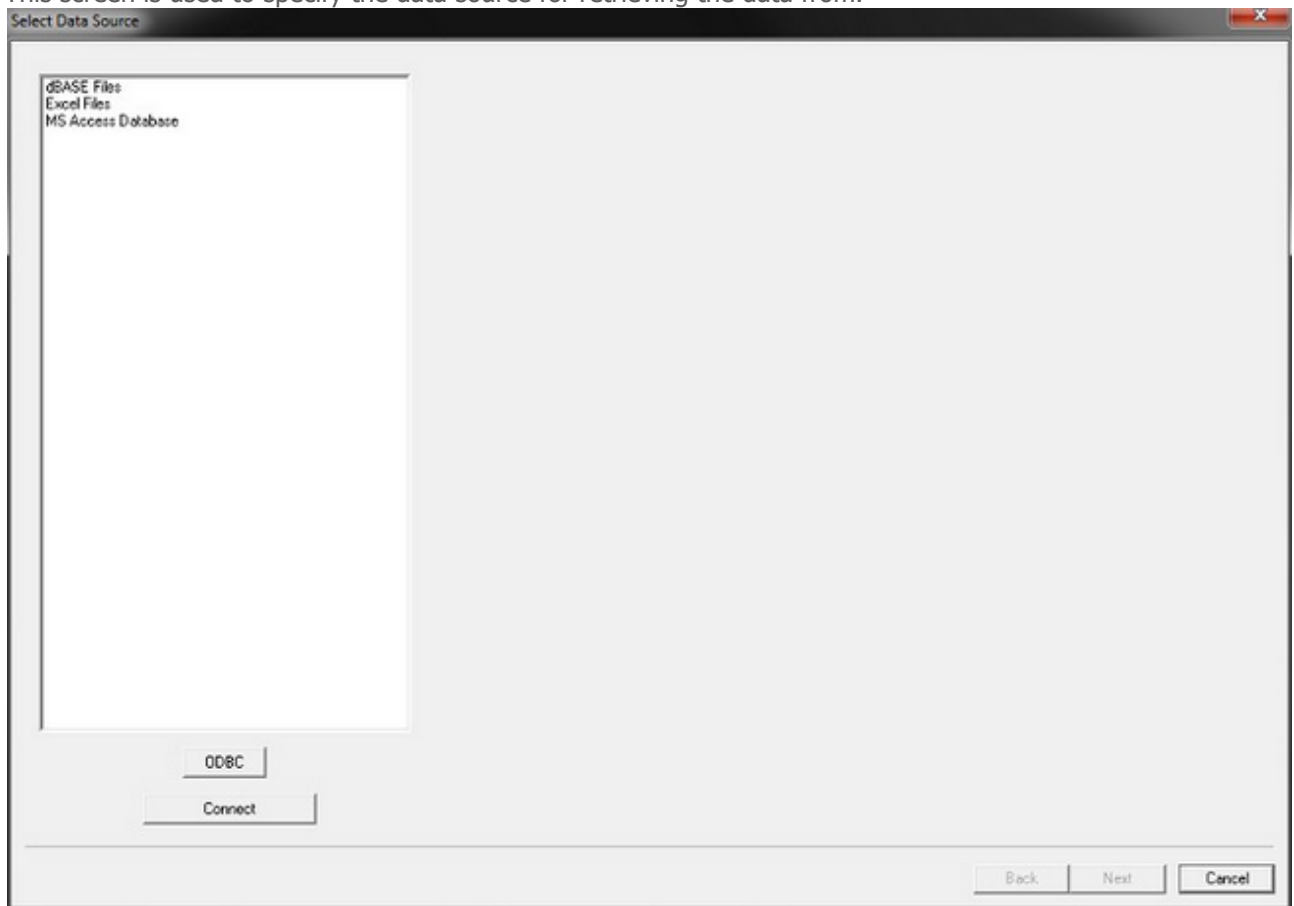
[Column Formatting](#)

[Save Data Connection Name](#)

## Select Data Source

---

This screen is used to specify the data source for retrieving the data from.



This source must be specified in the **Data Sources (ODBC) configuration** screen found in the Administrative Tools section in the Microsoft Windows Control Panel.

This can be accessed from the **ODBC** button.

If the required data source is not available please refer to the providers webs sites on how to download and install it.

Once the source is selected click **Connect**.

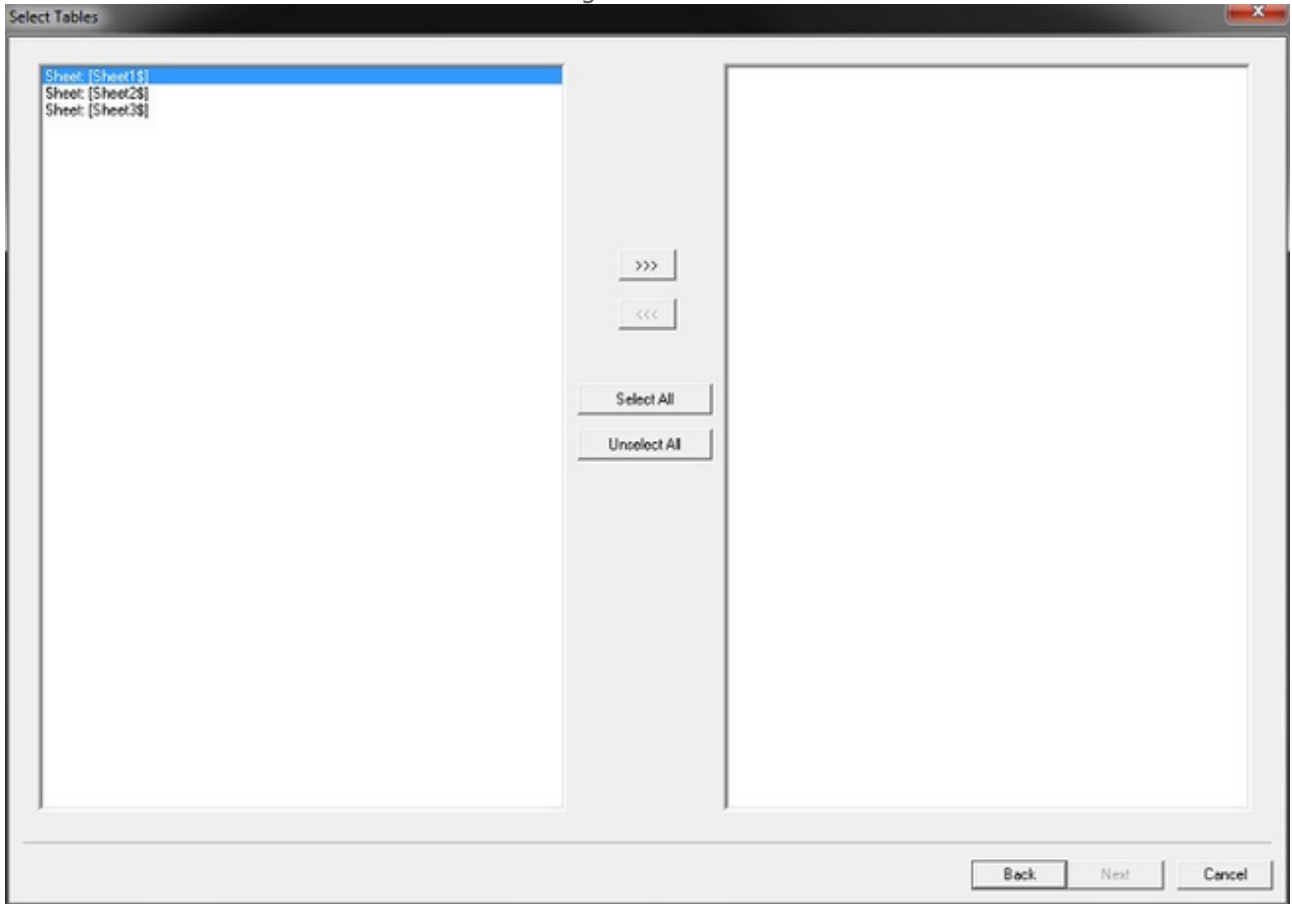
Depending on the source a file may be required to be selected. If prompted select the file.

The [Select Tables](#) screen is then shown.

# Select Tables

---

This screen is used to select the table for retrieving the data from.



Select the required table(s) using the following options and click **Next** to continue to the [Select Columns](#) screen.

>>> - Moves the selected table(s) to the right target window

<<< - Moves the selected table(s) to the left source window.

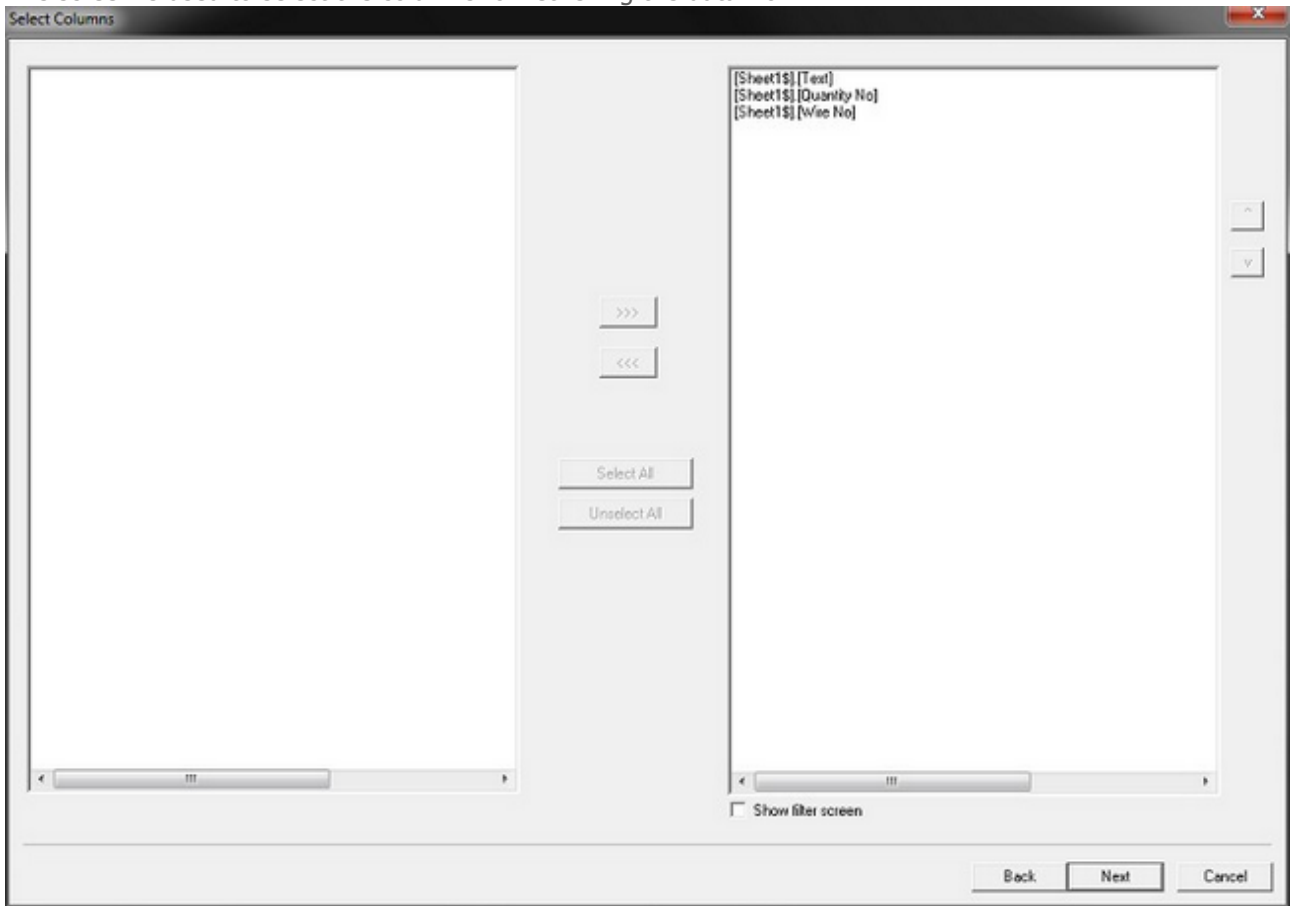
**Select All** - Selects all tables in the selected window

**Unselect All** - Unselects all tables in the selected window

Selecting **Back** will return to the [Select Data Source](#) screen.

# Select Columns

This screen is used to select the columns for retrieving the data from.



Select the required table(s) using the following options and click **Next** to continue to the [Preview of Selected Tables and Columns](#) screen.

**>>>** - Moves the selected column(s) to the right target window

**<<<** - Moves the selected column(s) to the left source window.

**Select All** - Selects all columns in the selected window

**Unselect All** - Unselects all columns in the selected window

If required a filter can be applied to only allow certain data to be imported. This screen is access by selecting the **Show Filter Screen** option. If enabled the **Next** button will open the [Select Filter](#) screen.

Selecting **Back** will return to the [Select Tables](#) screen.

## Select Filter

This screen is used to apply a filter to the selected data. Only data conforming to the filter will be imported.

The screenshot shows the 'Select Filter' dialog box. It features a title bar with the text 'Select Filter' and a close button. The main area is divided into several sections: a top section with two dropdown menus labeled 'All Tables & Columns' and 'Selected Tables & Columns'; a section with icons for logical operators (AND, OR, XOR, NOT) and a text input field labeled 'Operator'; a section with a dropdown menu labeled 'Column Type' and a text input field labeled 'Test Value'; a row of buttons labeled 'Add', 'Insert', 'Update', 'Delete', and a small dropdown; a large empty rectangular area for the filter list; a vertical stack of buttons on the right labeled 'Before', 'After', 'Move Line Up', 'Move Line Down', 'Check SQL', and 'Copy SQL'; and a footer row with buttons labeled 'Back', 'Next', and 'Cancel'.

Once the filter options have been specified then click Next to continue to the Preview of Selected Tables and Columns screen.

Selecting **Back** will return to the [Select Columns](#) screen.

## Preview of Selected Tables and Columns

This screen is used to preview the retrieved data.

ROW	[Sheet1\$][Text]	[Sheet1\$][QuantityNo]	[Sheet1\$][WireNo]
1	Text 1	1.000000	Wire 1
2	Text 2	2.000000	Wire 2
3	Text 3	3.000000	Wire 3
4	Text 4	4.000000	Wire 4
5	Text 5	5.000000	Wire 5
6	Text 6	6.000000	Wire 6
7	Text 7	7.000000	Wire 7
8	Text 8	8.000000	Wire 8
9	Text 9	9.000000	Wire 9
10	Text 10	10.000000	Wire 10
11	Text 11	11.000000	Wire 11
12	Text 12	12.000000	Wire 12
13	Text 13	13.000000	Wire 13
14	Text 14	14.000000	Wire 14
15	Text 15	15.000000	Wire 15

100 - row(s)

Back Next Cancel

Click **Next** to continue to the [Column Formatting](#) screen.

Selecting **Back** will return to the [Select Columns](#) screen or the [Select Filter](#) screen if the **Show Filter Screen** option is used.





Selecting **Back** will return to the [Preview of Selected Tables and Columns](#) screen.

# Current Format

---

This screen allows the select columns to be formatted for correct use.



The following options are displayed:

## **None**

This option will remove any formatting and make the Source Data be the Formatted Data.

## **Number**

This option is to be used to format Columns that are numbers. The following options are available:

### **Keep Number of Digits**

This option will keep the number of digits used the same as in the Source Data.

### **No of Digits**

This option is enabled when the Keep Number of Digits is disabled. The number of digits can be then set for the Formatted Data to contain.

For Example if the Source Data is 3795825 and the No of Digit is 4 then 5825 will be the Formatted data.

### **Remove All Decimals**

This will remove all number information after the decimal point.

### **Remove Decimal Point**

This option is enabled when the Remove All Decimals option is disabled. It will remove the decimal point in the Formatted Data column.

### **Decimal Places**

This option can be used to set the number of decimal places to be used in the Formatted Data column.

## **Text**

This option is used to format Columns that are text. The following options are available:

### **Text Conversion**

This option allows the text to be converted using the following options:

#### **None**

This will remove any text formatting.

#### **Capitalise All**

This will make all the text in Uppercase.

#### **Lowercase All**

This will make all the text in Lowercase.

#### **Capitalise 1st**

This will make the 1st letter of the entire field Uppercase.

#### **Capitalise 1st In Word**

This will make the 1st letter in each word Uppercase.

#### **Fixed Length**

This option allows a fixed length for the selected column to be defined.

#### **Length**

This determines the length to be used for the Fixed Length option.

#### **Pad Character**

This is the character to use to pad ( to fill ) any data that does not meet the Fixed Length with.

#### **Pad In Front**

This makes the pad characters appear at the front of the data, unchecking it will add them to the end.

Select the Next button to show the Save Data Connection Name screen

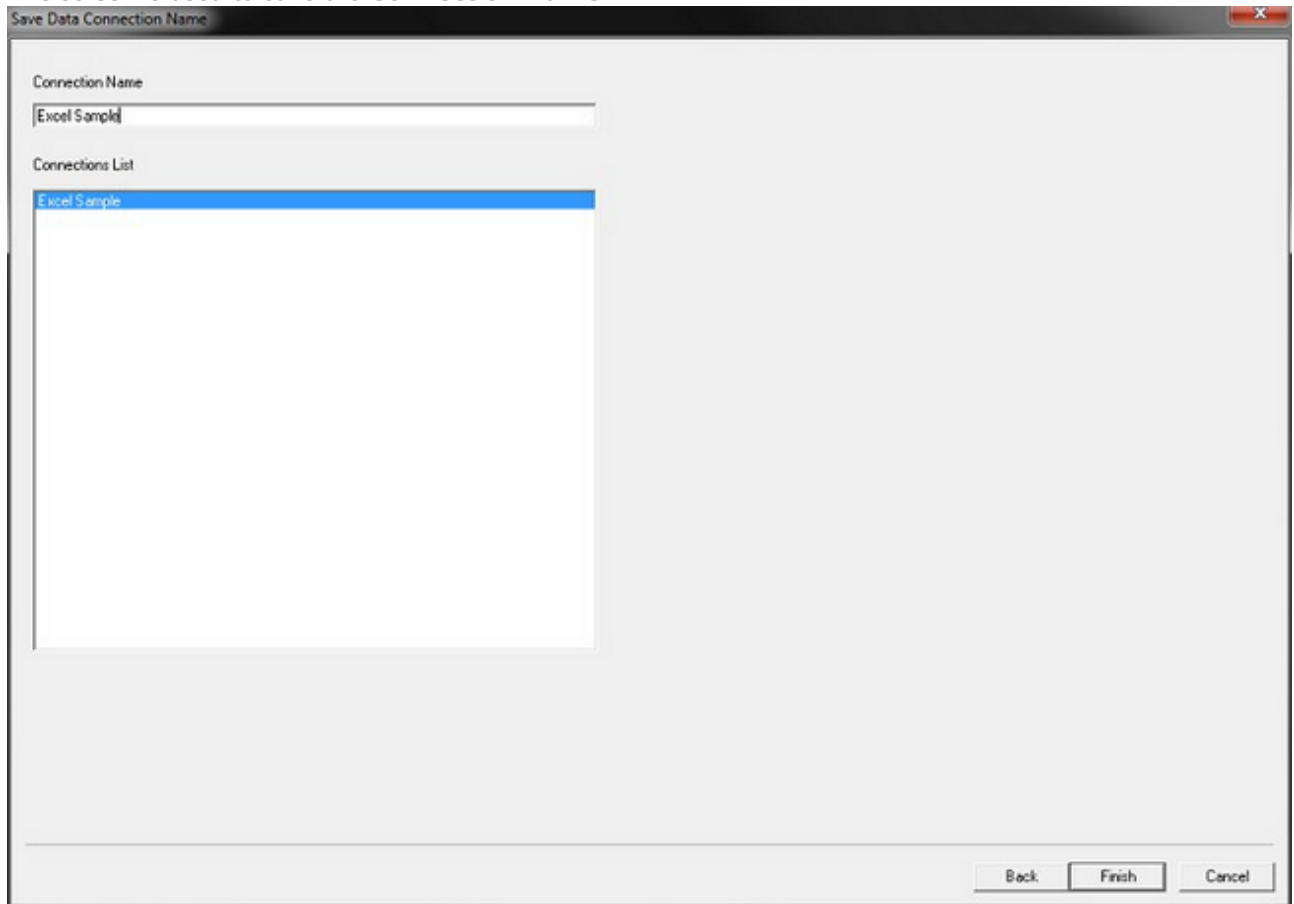
Click **Next** to continue to the [Save Data Connection Name](#) screen.

Selecting **Back** will return to the [Preview of Selected Tables and Columns](#) screen.

## Save Data Connection Name

---

This screen is used to save the **Connection Name**.



The screenshot shows a window titled "Save Data Connection Name". Inside the window, there is a text box labeled "Connection Name" containing the text "Excel Sample". Below this is a list box labeled "Connections List" with "Excel Sample" selected. At the bottom right of the window, there are three buttons: "Back", "Finish", and "Cancel".

Enter the **Connection Name** required and click **Finish** to save.

All connections made will show in the **Connection List**

This name is then available for selection in the **Connection Name** list box the following screens

1. The [Windows Database](#) tab of the [Import](#) screen
2. The [Database Printing](#) screen.

# Font Selection

---

When a **Product** is created a **Windows Font** can be selected.

A Windows Font is stored on the computer that is running WinTotal.

As default Arial and Courier New are available for selection.

Additional Fonts can be used in WinTotal if required by using the [User Defined Layouts](#) option with **Advanced Editing**.

The decision on whether to use Arial or Courier New is dependent upon a number of issues.

---

## Arial

Arial is a commonly used font in the Microsoft Windows environment. It is a clear font to read and offers good readability.

The one disadvantage in WinTotal with Arial is that it is a Proportional Font. That is different letters can take up different widths.

For example a **W** and a **I** are dimensionally different.

This makes the feature in WinTotal to calculate the maximum characters per line not 100% accurate as it is character dependant.

## Arial Sample

THIS IS A SAMPLE OF THE ARIAL FONT  
this is a sample of the arial font

---

## Courier New

Courier New is a Proportional Serif Font. It is not as easy to read as Arial but still is a useful font.

A Serif font has "hats" and "tails" on all its characters.

It is slightly smaller in height when compared to the same point size in Arial.

The one advantage in WinTotal with Courier New is that it is a proportional font. That is letters are always the same width.

For example a **W** and a **I** are dimensionally the same.

## Courier New Sample

THIS IS A SAMPLE OF THE COURIER NEW FONT  
this is a sample of the courier new font

# Serializations

---

**Serializations** are either numbers or letters that can be incremented.

There are two different methods of **Serializations**.

## Serializations

This is where the values for the **Serializations** are fixed and do not change at [Print](#) time. The **Serializations** are always the same if printed multiple times. To change these **Serializations** the user must edit their values. Here multiple **Serializations** can be created within a **Product**.

## Auto Numbering Product

This is specified in the [Add Product](#) screen and when enabled allows only a single **Legend** to be added to a **Product**. This single **Legend** can then contain multiple **Serializations** which at [Print](#) time will increment and then remember the last printed value. When this **Product** is selected the next time it will continue with the increment at the next value.

---

Regardless of the method used the configuration for **Serializations** is the same.

## Numerical

Incremented numbers are created when the dollar signs ( \$ ) is specified. The number of dollar signs (maximum of 7) indicates the number of digits in the largest number to be printed.

### Examples:

**Serializations** from 1 to 9 should enter \$

**Serializations** from 1 to 99 should enter \$\$

**Serializations** from 1 to 999 should enter \$\$\$

**Serializations** from 1 to 9999 should enter \$\$\$\$

**Serializations** from 1 to 99999 should enter \$\$\$\$\$

**Serializations** from 1 to 999999 should enter \$\$\$\$\$\$

**Serializations** from 1 to 999999 should enter \$\$\$\$\$\$

The output of a **Serializations** can be adjusted by using the **Leading Zeros** option at [Print](#) time.

## Alpha

Incremented upper and lower case letters can be indicated with a single at sign ( @ ).

The characters used for **Numerical** and **Alpha** sequences can be changed in the [Options](#) tab of the [System Setup](#) screen. These should not be changed unless the user needs to [Print](#) either the \$ or @ character. Whatever characters are used for **Numerical** or **Alpha Serializations** cannot be printed.

When a \$ or @ sign is entered into the data the program will display a prompt to enter the parameters below.

## Qty

This will give the number of increments to [Print](#).

Click with the LEFT button in the **Legend** column to edit sequential information on the selected marker.

**Note:** This option is not available when using the **Auto Numbering Product** as the **QTY** is defined in the [Print](#) screen.

## Note:

To see the values entered for a sequential **Legend**, first select the **Legend**, then use the [View Serializations](#) function from the [Data Entry Tab](#) of the [Ribbon](#).

---

**Example 1**

Counter for 1 to 20 parameters

**Base** 1  
**Increment** 1  
**Qty** 20

The output will then be 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20

---

**Example 2**

Counter for 1 to 21 in steps of 2

**Base** 1  
**Increment** 2  
**Qty** 20

The output will then be 1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39.

---

**Example 3**

Counter for 20 to 1 parameters

**Base** 20  
**Increment** -1  
**Qty** 20

The output will then be 20,19,18,17,16,15,14,13,12,11,10,9,8,7,6,5,4,3,2,1

---

**Example 4**

Counter from 1 to 10 with 4 copies of each **Serialization**.

**Base** 1  
**Increment** 1  
**Group** 4  
**Qty** 40

The output will then be

1,1,1,1,2,2,2,2,3,3,3,3,4,4,4,4,5,5,5,5,6,6,6,6,7,7,7,7,8,8,8,8,9,9,9,9,10,10,10,10

# Data Entry Order

---

**Products** in WinTotal can be scored and have multiple **Lines** on them as well as being Single or Double Sided.

There can be two different orders for adding data, both manually or imported.

There are two settings that can determine the editing order of legends. These are set in the [Options](#) tab of the [System Setup](#)

---

## Edit Order: Down-Across

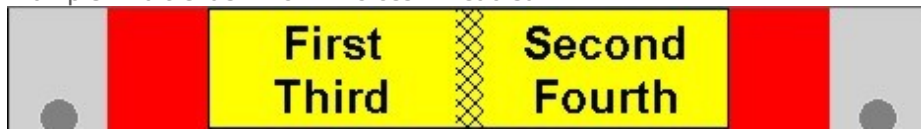
### Disabled

In this mode the edit order will start at the first field on the top line of the marker.  
It will then move across the fields on the same line.  
At the end of the line it will move to the first field on the next line.

### Enabled

In this mode the edit order will start at the first field on the top line of the marker.  
It will then move to the next line of the same score.  
At the last line of the current score it will then move to the first line but the next score position.

Example - Edit Order: Down-Across - Disabled



Exemplified - Edit Order: Down-Across - Enabled



The **Edit Order: Down-Across** option is only effective for the data entry order.  
If the order needs to be changed for the [Import](#) option then option **Import Order: Down-Across** in the [Import](#) screen can be used to give the same results.

---

## Edit Order: Front-Back

This feature will only affect Double Sided products but it will work in conjunction with the Edit Order:Down-Across option.

### Disabled

In this mode the edit order will be determined by the Edit Order:Front-Back status but All the fields on the Front Side will be processed before the Back Side ones.

### Enabled

In this mode the edit order will be determined by the Edit Order:Front-Back status but once a Front Side field is edited the next field will be the corresponding Back Side field. Then the next field based on the Edit Order:Front-Back will be processed on the Front Side.



# System Administration

---

The following topics are useful for System Administrators:

[Data Management/Backup](#)  
[User Access Control](#)

# Data Management/Backup

---

This topic covers the file system that WinTotal uses and which files should be backed up.

## User Access Rights

For WinTotal to function correctly the user must have full read/write access to the **Directory** where WinTotal is installed and all its sub directories. The directories where data is to be save must also have full read/write access. These rights are always required regardless of the User Access values in WinTotal.

---

## Data Files (Sets)

When users create new **Sets** and **Products** in WinTotal this data is automatically saved.

The **Set Name** that is used in WinTotal will be the file name that the data is stored in.

There are two file formats that can be used for **Sets**

### WDFU File Format - WinTotal v6

The default format for WinTotal v6 saves the data to a single data file. The filename created will be the name used in the [New Set](#) screen followed by the file extension of **.wdfu**

### WDF File Format - WinTotal v5

WinTotal v5 used a different format with the extension **.wdf**. These older files can be opened and will then prompt the user to save them with the new **.wdfu** extension.

The user has the option to store these files in any **Directory** both locally and on a Network.

**These files should be periodically backed up.**

---

## Custom Products

WinTotal has the functionality for users to create their own **Products**. This is done via the **Design New Product** screen.

The files created for these **Products** are "**custom.dat**" and "**custom.wtt**" these files are located in the directory displayed in the **WinTotal Data Directory** section in the [About](#) screen.

These file should also be backed up, however they can only be restored on the same PC which they were created on. If you wish to transfer these files to another PC please contact TE Connectivity.

**These files should be periodically backed up.**

---

## User Defined Layouts

WinTotal has the functionality for the user to create a user templates. This is done via the [User Defined Layouts](#) screen.

The file created for these **Products** is called "**UserPrd.wupu**" and is located in the directory displayed in the **WinTotal Data Directory** section in the [About](#) screen.

This file, unlike the **Custom Products** can be transferred to different PC's, using the **Import** and **Export** functions in the [User Defined Layouts](#) screen.

**These files should be periodically backed up.**

---

## Configurations Files

All WinTotal configuration values are stored in the following files:

Wintotal.ini  
lcn.ini  
lcn.cfg

These files are located in directory displayed in the **WinTotal Data Directory** section in the [About](#) screen.

These file should also be backed up but should only be restored to the same PC or another PC if its configuration is identical.

---

## Windows Database Connections

Any Windows Database Connections made are stored in a file called "**odbcif.ini**"

This file is located in the following locations:

1. Windows XP and 2003 Server the files are located in the **Directory** called **DbSetup** in the location of the WinTotal program.
2. On other operating systems they are in the **C:\ProgramData\WinTotal\DbSetup**.

These file should also be backed up but should only be restored to the same PC or another PC if its configuration is identical.

# User Access Control

---

This topic covers the user access options available in WinTotal.

As default there no user access limitations. If required there are three levels of access control.

These are configured in the [User Access](#) tab of the [System Setup](#) screen.

The access levels are defined by the following groups

**Minimum Level** - this allows a user to open **Sets** and **Print** them. Users can not [Add Data](#), [Change Data](#) or [Import](#) any data.

**Medium Level** - this allows the user the **Minimum Level** options plus the options [Add Data](#), [Change Data](#) or [Import](#). Users can not [Design New Products](#) or create [User Defined Layouts](#)

**Maximum Level** - this allows full access.

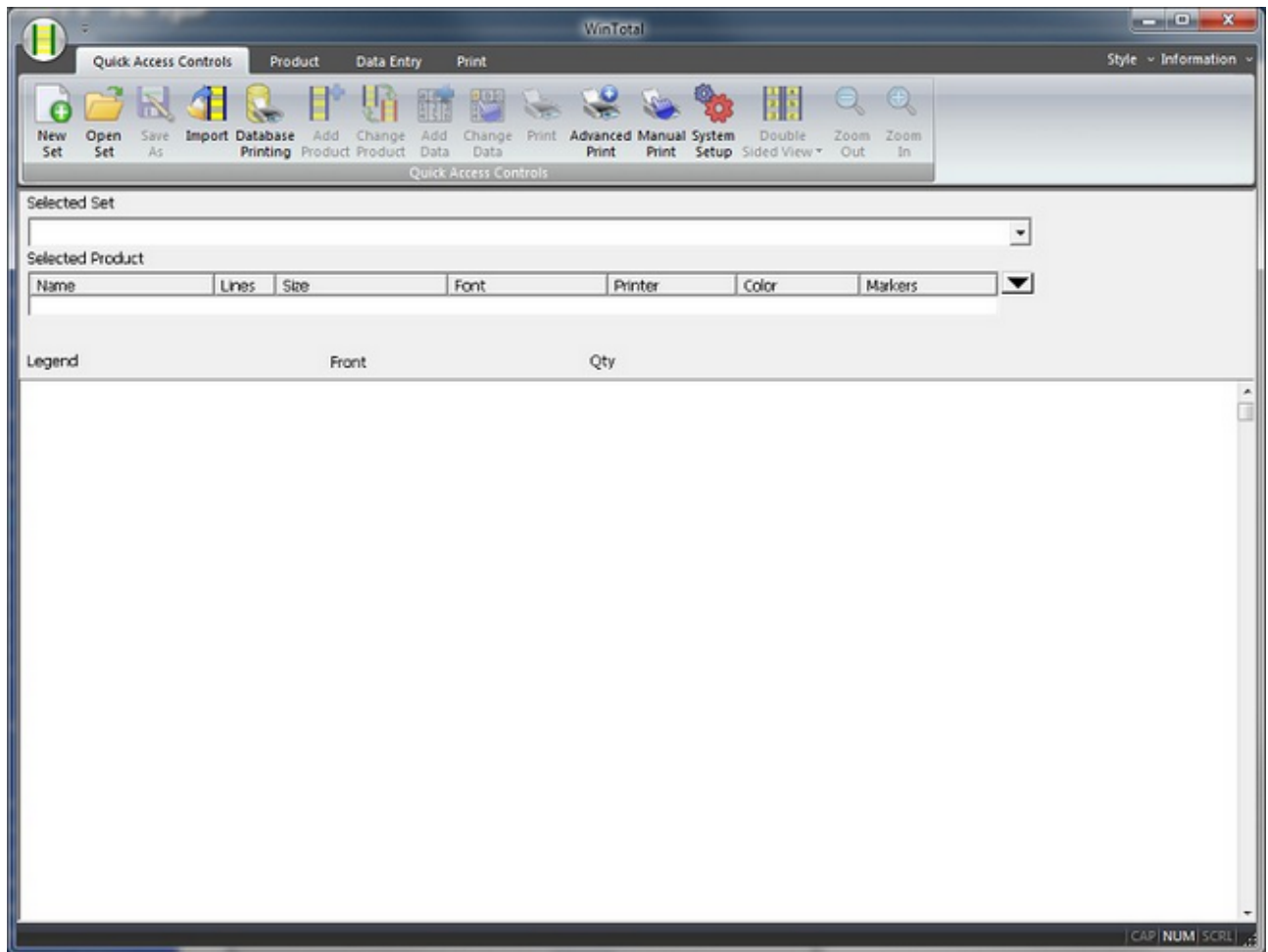
In the [User Access](#) tab of the [System Setup](#) screen the option **Customize Minimum And Medium Security Level** can allow the 2 lower access levels to be configured based on customer requirements.

**Note:** For WinTotal to function correctly the user must have full read/write access to the Directory where WinTotal is installed and all its sub directories. The directories where data is to be saved must also have full read/write access. These rights are always required regardless of the [User Access](#) values in WinTotal.

# Program Reference

---

This section covers the functionality of commands in WinTotal.




The main screen contains the following sub items:

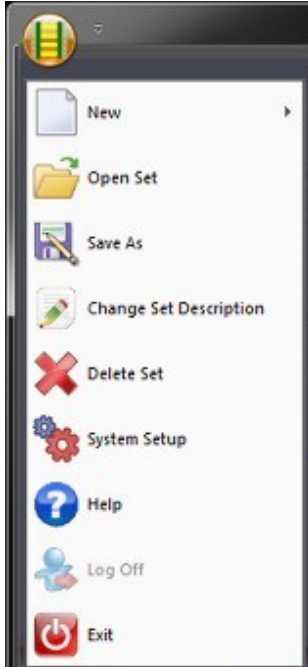
- [WinTotal Button](#)
- [Quick Access Controls Tab](#)
- [Product Tab](#)
- [Data Entry Tab](#)
- [Print Tab](#)
- [Style Menu](#)
- [Information Menu](#)
- [Quick Access Toolbar](#)

For more information please read the [Screen Overview](#) topic.

# WinTotal Button

---

The **WinTotal Button**  is located in the top left corner of WinTotal and replaced the historic File menu.



**The following sub items are available:**

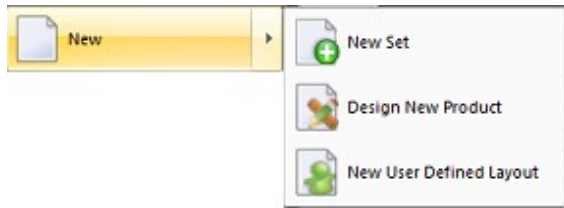
[New Set](#)  
[Open Set](#)  
[Save As](#)  
[Change Set Description](#)  
[Delete Set](#)  
[System Setup](#)  
[Help](#)  
[Log Off](#)  
[Exit](#)

**NOTE:** Any of the commands in the **WinTotal Button** area can be added to the [Quick Access Toolbar](#) for quick access. Please read the [Screen Overview](#) topic for more information.

# New

---

The **New** button has several functions:

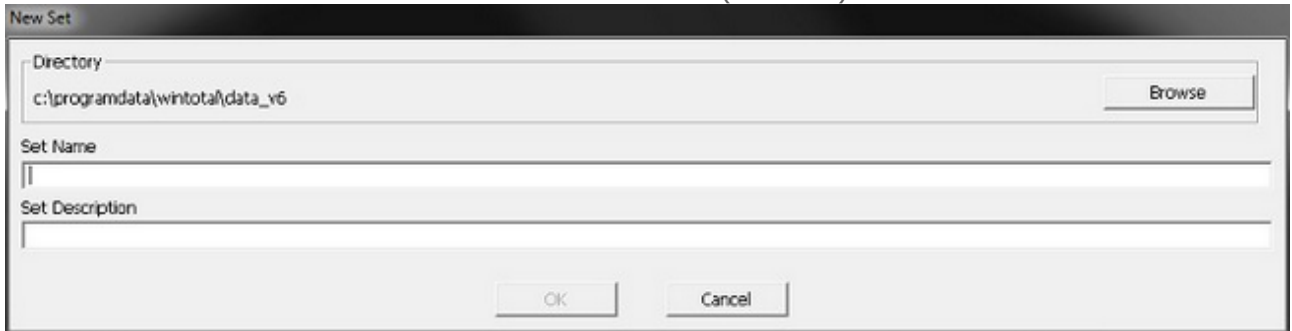


1. Pressing the **New** button will run the [New Set](#) command
2. Pressing the **Arrow** will open a sub menu with the following commands:
  - **New Set** will run the [New Set](#) command.
  - **Design New Product** will open the [Design New Products](#) screen.
  - **New User Defined Layout** will open the [User Defined Layouts](#) screen.

# New Set

---

The **New Set** screen is used to create a new WinTotal v6 set (.wdfu file).



The screenshot shows a dialog box titled "New Set". It has three main input areas: "Directory" containing the path "c:\programdata\wintotal\data\_v6" with a "Browse" button to its right; "Set Name" which is currently empty; and "Set Description" which is also empty. At the bottom of the dialog are "OK" and "Cancel" buttons.

## Screen Options

---

### **Set Name**

This is the name used to store all data within a single set file (.wdfu). To change the location of new sets, select the **Browse** option.

For more information about **Sets** see the [Selected Set](#) and [Data Management/Backup](#) topics.

### **Set Description**

This optional field is for adding more information about the **Set**. Up to 100 characters can be used. This value can be searched for when using the **Show Set Description** option in the [Open Set](#) screen.

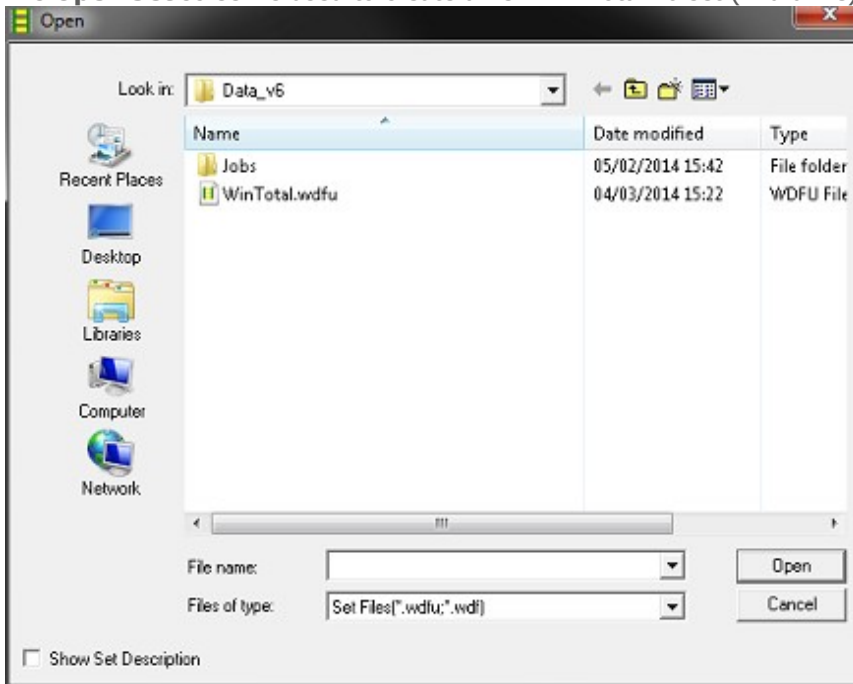
This value can be changed later by the [Change Set Description](#) option from the [WinTotal Button](#) menu.



# Open Set

---

The **Open Set** screen is used to create a new WinTotal v6 set (.wdfu file).



WinTotal Sets from WinTotal v5 (\*.wdf) and WinTotal v6 (\*.wdfu) extensions can be opened.

For more information about file types see the [Upgrading From v5 to v6](#) and [Data Management/Backup](#) topics.

**Note:** This function is only required to select **Sets** outside of the current **Data Directory** or **WinTotal v5 .wdf** sets.

**WinTotal v6 .wdfu** sets in the current **Data Directory** are available in the [Selected Set](#) list box in the main screen.

## Screen Options

---

### Show Set Description

This will display **Sets** by their **Set Description**. See the [New Set](#) and [Change Set Description](#) topics for more information.

## Opening WinTotal v5 .wdf Sets

---

WinTotal v6 has many new features which require a new file format to be used.

If a v5 set (.wdf) is opened the user will be asked to convert the file to a v6 set (.wdfu).

**NOTE:** The original set will not be modified. WinTotal v6 can only save to v6 (.wdfu) format Sets.

Due to Products, Font and Features changes between v5 and v6 some products may have to be converted to new products and fonts.

If such a case occurs then the [Obsolete Product/Font Warning](#) screen is displayed.

For more information see the [Upgrading From v5 to v6](#) and the [Obsolete Product/Font Warning](#) topics.

For a list of obsolete products see the [Obsolete Products](#) topic.

For a list of obsolete fonts see the [Obsolete Fonts](#) topic.

# Obsolete Product/Font Warning

---

The **Obsolete Product/Font Warning** screen is shown when a v5 .wdf set is opened for conversion and it contains obsolete **Products** and/or **Fonts**.



For more information see the [Upgrading From v5 to v6](#) topic.

For a list of obsolete products see the [Obsolete Products](#) topic.

For a list of obsolete fonts see the [Obsolete Fonts](#) topic.

## Screen Options

---

### **Automatic Conversion**

The option can be used to convert the obsolete **Product** and/or **Font** to use the recommended alternative. The recommended alternative is the safest method to choose as it ensures that all data from the old **Product/Font** will be visible and printable in the new one.

If required the **Product** can be changed again later using the [Change Product](#) function.

### **Manual Conversion**

The Manual Conversion option will display the [Change Product](#) function and allow the user to select any **Product** or **Font** to use in the conversion.

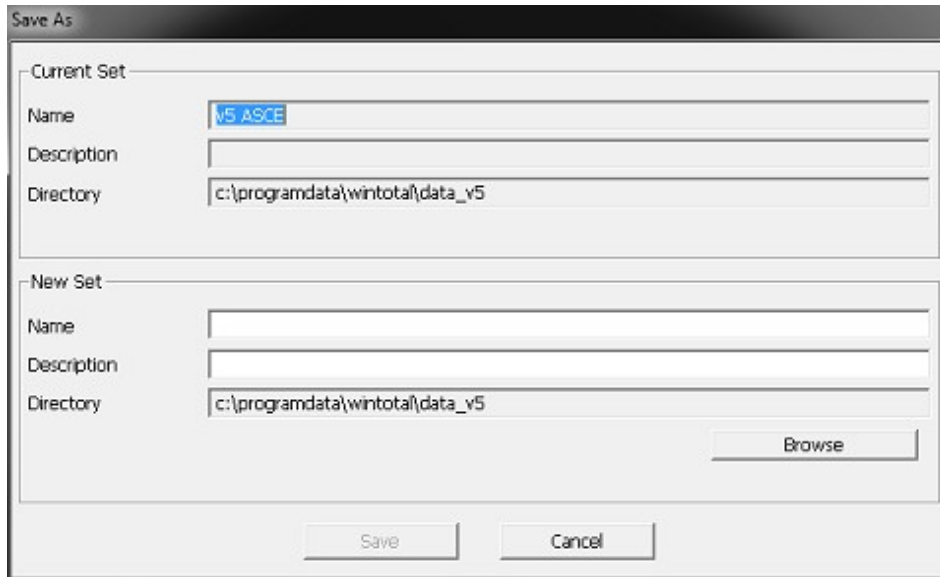
### **Skip Product**

This will skip the current **Product** and not convert it or import its data.

# Save As

---

The **Save As** screen is used to save a current set to a new name and/or a different location.



The screenshot shows a 'Save As' dialog box with the following fields and buttons:

- Current Set**
  - Name: v5 ASCE
  - Description: (empty)
  - Directory: c:\programdata\wintotal\data\_v5
- New Set**
  - Name: (empty)
  - Description: (empty)
  - Directory: c:\programdata\wintotal\data\_v5
  - Browse button
- Buttons: Save, Cancel

This screen is divided into 2 sections, **Current Set** and **New Set**.

## Screen Options

---

### Current Set

This will show the details of the **Current Set**.

---

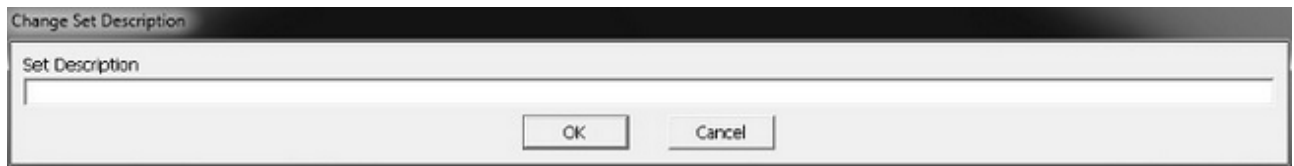
### New Set

This allows the **Current Set** to be saved as a **New Set**. It is also possible to change the location using the **Browse** button.

# Change Set Description

---

The **Change Set Description** screen is used to change the **Set Description** for the current **Set**.



## Delete Set

---

The **Delete Set** option is used to delete the **Current Set** including all **Data** for all **Products** entered.

# System Setup

---

The **System Setup** screen is used to configure settings for WinTotal.

This screen is where all default configurations are made using one of the following tabs:

[Printers](#)

[Directories](#)

[Options](#)

[View](#)

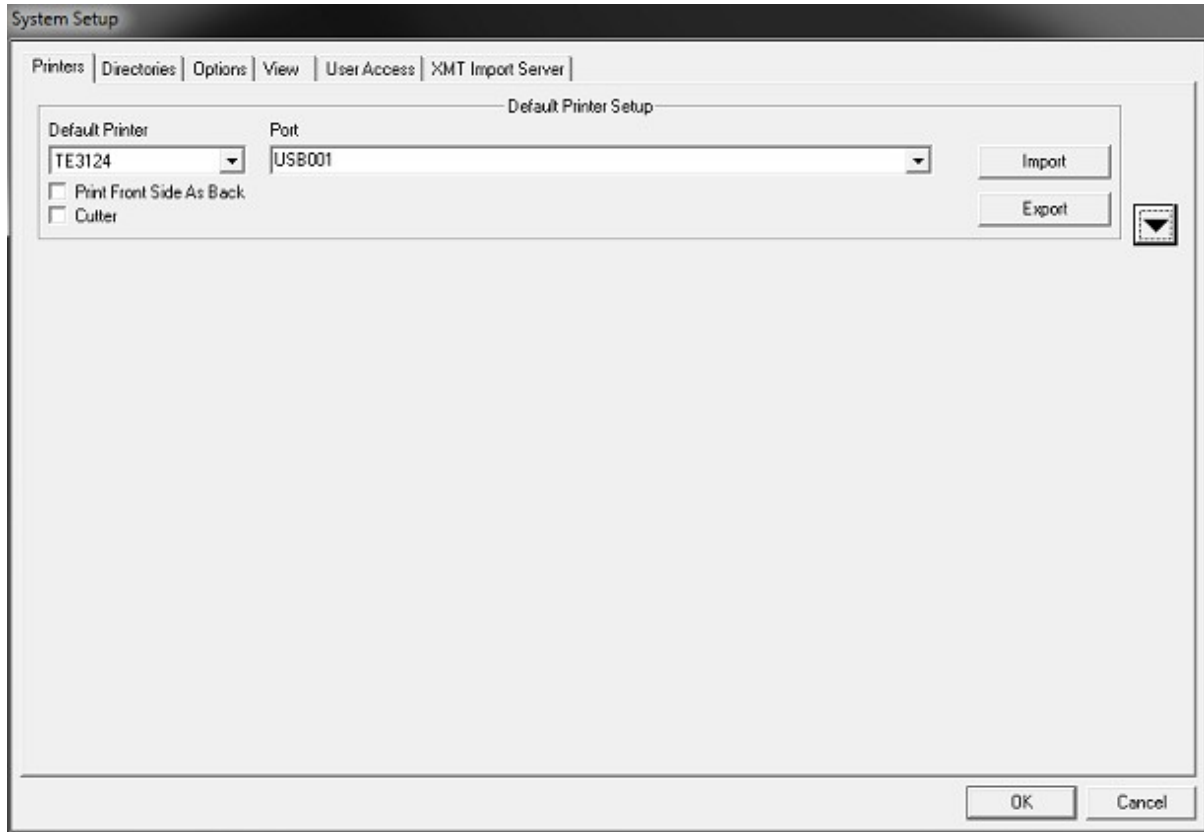
[User Access](#)

[XMT Import Server](#)

# Printers

---

The **Printers** tab in the [System Setup](#) screen is used to specify the **Printers**, **Ports** and their **Parameters**.



## Screen Options

---

### **Default Printer**

This is where the **Default Printer** can be selected. See the [Printer Support](#) topic for more information.

### **Port**

This is where the default printer port can be selected or typed in. See the [Printer Support](#) topic for more information.



### **Import**

This option will allow a user to browse for a WinTotal v5 configuration file "wintotal.ini" and import the printer configuration into WinTotal v6.

**Note:** This will overwrite any previous printer configurations. Please ensure you have made a backup using the **Export** option before proceeding. Only valid **Printers** will be imported with valid **Product** mapping.

### **Export**

This option will allow a user to export the current printer configuration. This can be used for backup or to configure another WinTotal v6 client.

### **Print Front Side As Back**

This option will change the rotation and sequence of the printed markers.

When the front of the sleeves are printed, they will be printed in the sequence (first to last or last to first) and rotation (right-side up or upside-down) normally used for backside printing.

The sequence and rotation varies by printer, see the **Print Back Side** option in the [Print](#) topic.

This selection is not enabled for the **T6112DS** printer as it is a double sided printer.

### **Cutter**

This option will be displayed if a printer is capable of cutting. If a cutter is not attached to a printer then this option can be disabled to prevent a unsupported command being sent to the printer. Some printers will error if a cut command is sent and no cutter is connected.

### **Use Default Windows Printer**


This option is available when the Windows Printer is selected. When enabled printing using the Windows Printer will be sent to the default printer specified in the Windows Control Panel. If unselected a prompt to select the Windows Printer will be shown.

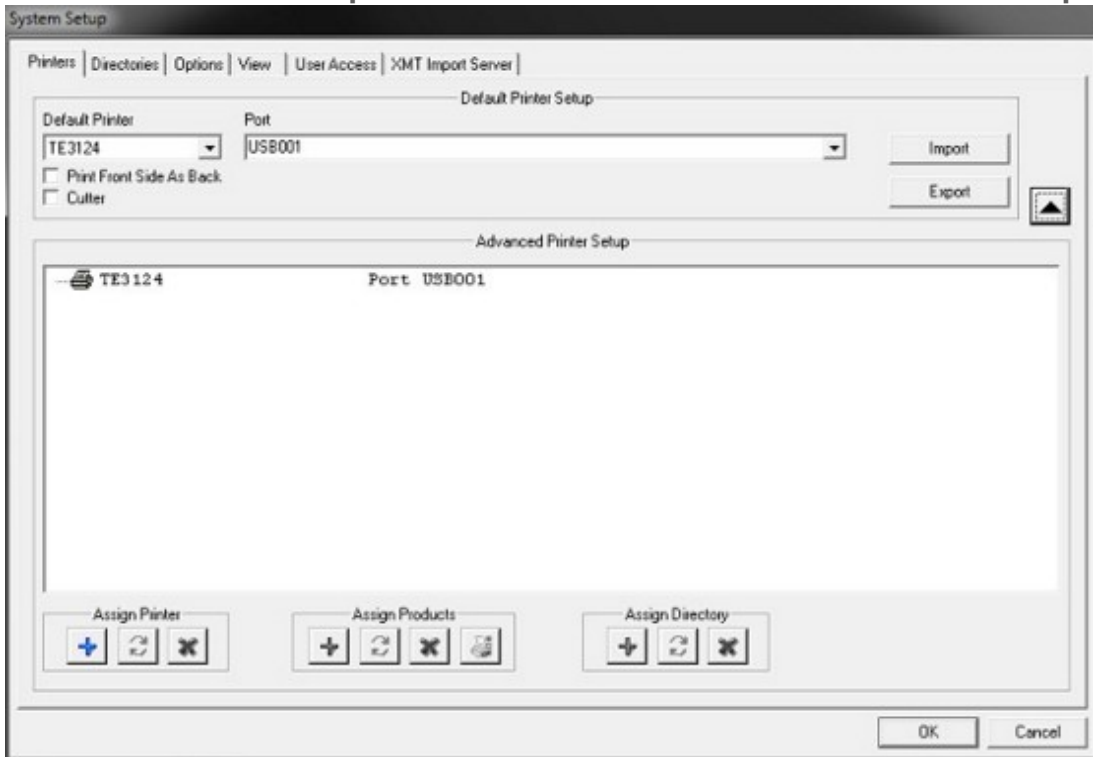
### **Copy Front Side Data To Back Side**

This option is available if the T6112DS printer is selected. When enabled it will automatically copy data entered on the front side of a double sided **product** to the back side.

### **Double Print Optimize**

This option is available if the T6112DS printer is selected. When enabled using compatible firmware and a correctly configured printer product wastage between print jobs can be eliminated. Contact [Technical Support](#) for more information on how to configure this option.

The **Advanced Printer Setup** button  will show and hide the **Advanced Print Setup** section.



This function is flexible and powerful in configuring multiple **Printers** for WinTotal. A unlimited number of **Printers** can be assigned to different **Products** or **Directories**.

This feature has infinite possibilities in its configurations. This configuration is referred to as [Multiple Application Port Printing \(MAPP\)](#)

---

### **Assign Printer**

The options below are available for adding and removing Printers to the **Advanced Printer Setup** section.



#### **Add**

This will display the [Add/Change Printer](#) screen where additional **Printers** can be added



#### **Change**

This will display the [Add/Change Printer](#) screen where the selected **Printer** can be changed. The **Default Printer** cannot be changed.



#### **Delete**

This will delete the selected **Printer**. The **Default Printer** cannot be deleted.

**Note:** All values for this **Printer** will be permanently deleted.

---

### **Assign Products**

The options below are available for assigning a **Product** to the selected **Printer**. If this combination is selected it will be automatically configured for that printer and port along with the printer settings.



#### **Add**

This will display the [Assign Product To Printer](#) screen to allow a **Product** to be linked to the selected **Printer**.



#### **Change**

This will display the [Assign Product To Printer](#) screen to allows the assigned **Product** to be changed.



#### **Delete**

This option allows the user to **Delete** the assigned **Product** for a selected **Printer**.



#### **Printer Parameters**

This will display the [Printer Parameters](#) screen allowing printer settings to be assigned to the assigned **Product**.

---

### **Assign Directory**

The options below are available for assigning a **Directory** to the selected **Printer**. If a **Set** from this **Directory** is selected it will be automatically configured for that printer, port and printer settings.

#### **Add**

This will display an **Open** screen where the required **Directory** can be selected. When a **Directory** is selected it will appear in the **Advanced Printer Setup** section.

#### **Change**

This option allows the user to **Change** the selected **Directory** from an **Open** screen.

#### **Delete**

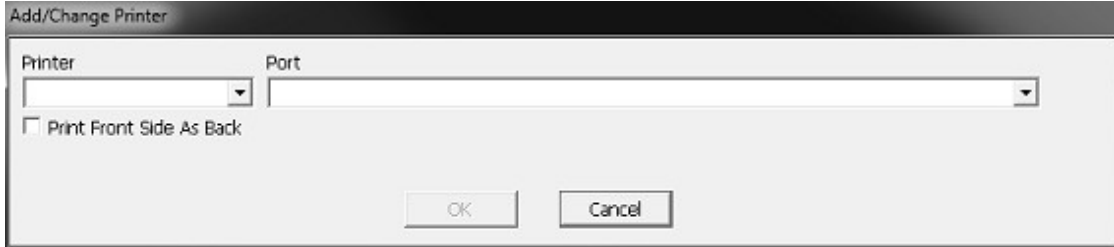
This option allows the user to **Delete** the assignment of Directory to a **Product** and **Printer** combination.

# Add/Change Printer

---

The **Add/Change Printer** screen is used to specify printers in WinTotal.

**NOTE:** The **Default Printer** is not configured using this screen..



When a **Printer** is added it will appear in the **Advanced Printer Setup** area of the [Printers](#) tab in the [System Setup](#) screen.

## Screen Options

---

### **Printer**

This is where the **Printer** can be selected. See the [Printer Support](#) topic for more information.

### **Port**

This is where the printer port can be selected or typed in. See the [Printer Support](#) topic for more information.

### **Print Front Side As Back**

This option will change the rotation and sequence of the printed markers.

When the front of the sleeves are printed, they will be printed in the sequence (first to last or last to first) and rotation (right-side up or upside-down) normally used for backside printing.

The sequence and rotation varies by printer, see the **Print Back Side** option in the [Print](#) topic.

This selection is not enabled for the **T6112DS** printer as it is a double sided printer.

### **Cutter**

This option will be displayed if a printer is capable of cutting. If a cutter is not attached to a printer then this option can be disabled to prevent a unsupported command being sent to the printer. Some printers will error if a cut command is sent and no cutter is connected.

### **Use Default Windows Printer**

This option is available when the Windows Printer is selected. When enabled printing using the Windows Printer will be sent to the default printer specified in the Windows Control Panel. If unselected a prompt to select the Windows Printer will be shown.

### **Copy Front Side Data To Back Side**

This option is available if the T6112DS printer is selected. When enabled it will automatically copy data entered on the front side of a double sided **Product** to the back side.

### **Double Print Optimize**

This option is available if the T6112DS printer is selected. When enabled using compatible firmware and a correctly configured printer product wastage between print jobs can be eliminated. Contact [Technical Support](#) for more information on how to configure this option.



# Assign Product To Printer

---

The **Assign Product To Printer** screen is used to specify products to be assigned to a specific printer in WinTotal.

Assign Product To Printer

Type

Standard Product  User Defined Layout

Selected Product

Family	Type	Size	Derivative	Color
SLEEVE	SCE	1/4	2.00	WHITE

Double Sided (Y/N/\*): N

\*\*\*\*\* = Select All

OK Cancel

## Screen Options

---

This screen is similar to [Add Product](#) screen allowing users to select the **Product** configuration. A grouping of specific **Products** can be printed by selecting the \*\*\*\*\* option in the list boxes to designate ALL **Size**, **Derivative** and **Color**.

When a **Product** is added it will appear in the **Advanced Printer Setup** area of the [Printers](#) tab in the [System Setup](#) screen.

# Printer Parameters

---

The **Printer Parameters** screen is used to specify printer parameters to products assigned to a printer.

Printer Parameters - TE3124

Positioning

Top Margin  mm

Left Margin  mm

Collate

Options

Speed  mm

Density

Print Mode

Sensor

Leading Zeros

Mirror Print

Reverse Line Order

Rotate 180°

Enable Printer Parameters

OK Cancel

When **Printer Parameters** are enabled for a **Product** it will display "**Printer Parameters Enabled**" for the **Product** in the **Advanced Printer Setup** area of the [Printers](#) tab in the [System Setup](#) screen.

## Screen Options

---

### Enable Printer Parameter

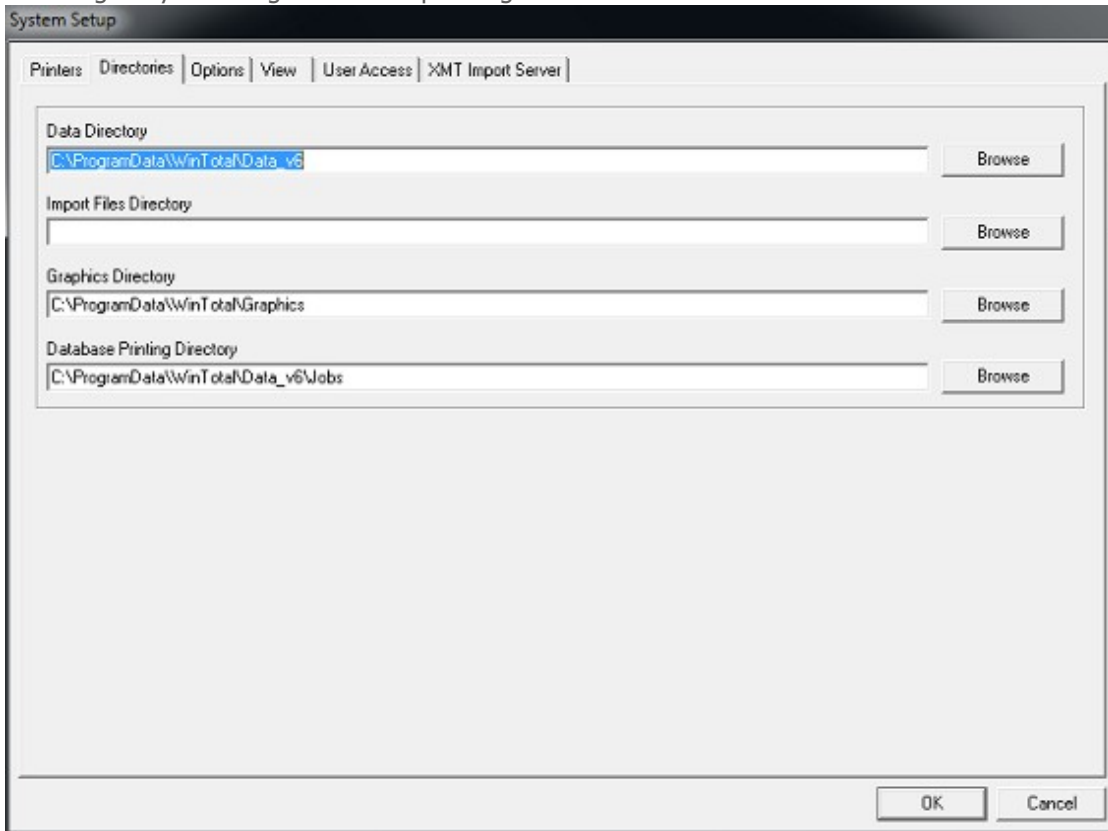
The parameters screen contains all options available to be configured for the selected **Product** and **Printer** combination. This screen will show similar options to that in the [Print](#) screen.

Options available will be dependent on the **Printer** selected. See the [Print](#) screen section for more information on the commands functionality.

# Directories

---

The **Directories** tab in the [System Setup](#) screen is used to specify default file locations. All locations can be changed by selecting their corresponding **Browse** button.



## Screen Options

---

### **Data Directory**

This is the default location of the **Set** files. This **Directory** must be available for all users who wish to use the program.

### **Import Files Directory**

This is the default location used for data files used in the [Import](#) screen.

### **Graphics Directory**

This is the default location used when using the Edit option in the [User Defined Layouts](#) screen.

### **Database Printing Directory**

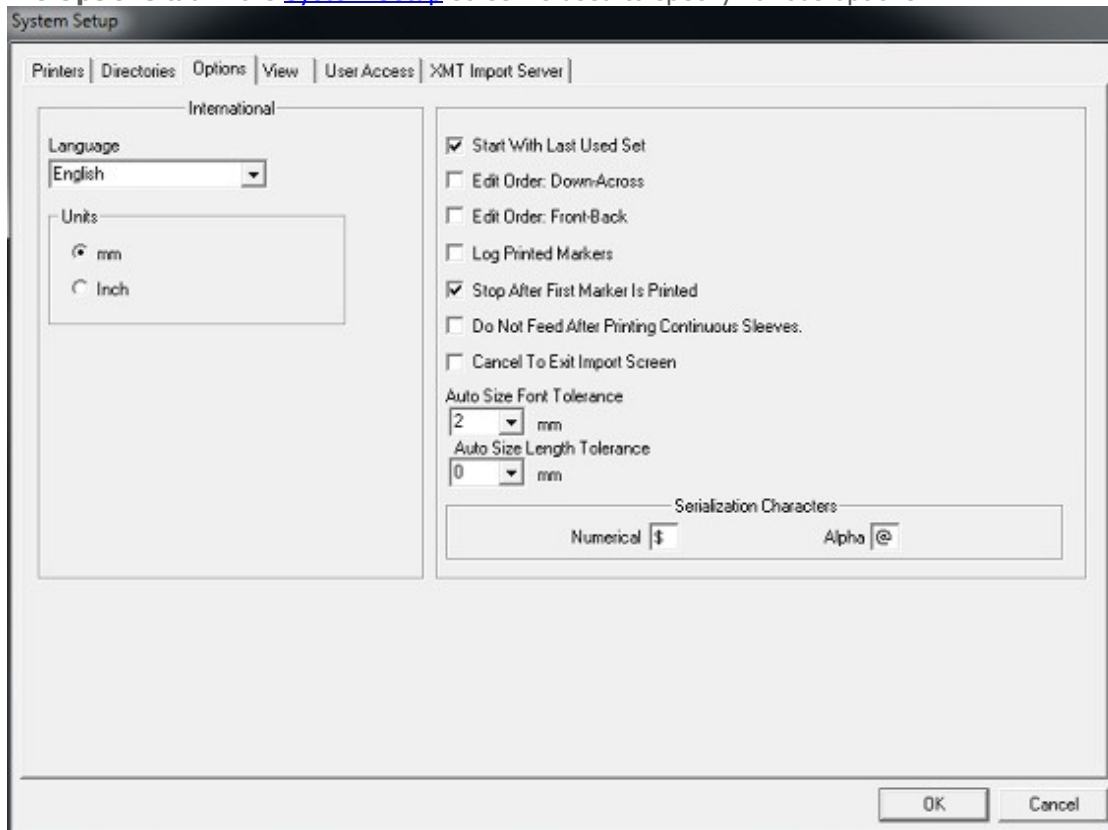
This is the default location of **Job** files used in the [Database Printing](#) screen.



# Options

---

The **Options** tab in the [System Setup](#) screen is used to specify various options.



## Screen Options

---

### International

#### Language

This option is used to determine the language that the WinTotal screens are displayed in. Languages available are:

- Chinese**
- Deutsch** (German)
- English**
- Español** (Spanish)
- Français** (French)
- Italian**
- Japanese**
- Korean**
- Nederlands** (Dutch)
- Norsk** (Norwegian)
- Portuguese (Brazil)**
- Russian**
- Turkish**

#### Units

This option will display dimensional values in **mm** or **inches**.

---

### **Start With The Last Used Set**

Enabling this option will cause the last used **Set** and **Product** to be selected when WinTotal starts.

### **Edit Order: Down-Across**

This option changes the way data is input on scored **Products**. See the [Data Entry Order](#) topic for more information

### **Edit Order: Front-Back**

This option changes the way data is input on **Double Sided Products**. See the [Data Entry Order](#) topic for more information

### **Log Printed Markers**

This creates a log of all printed markers. This log can be accessed via the [Print Log](#) command in the [Print Tab](#) of the [Ribbon](#).

### **Stop After First Marker Is Printed**

This option will set the default state for the **Stop After First Marker Is Printed** option in the [Print](#) and [Advanced Print](#) screens. When enabled the first marker is printed and then the [First Marker Printed](#) screen is displayed to allow the reprint of the first marker or to continue to print the rest of the markers. By default this option is on. This option can be changed in both the [Print](#) and [Advanced Print](#) screens but the default state is controlled from this control.

**NOTE:** The **T6112DS** & **Windows Printer** printers do not support this feature as the print job must be sent as a single job. For these printers the option is grayed out and ignored.

### **Do Not Feed After Printing Continuous Sleeves**

This option when enabled will stop empty markers being fed after a print jobs is sent for Continuous Sleeve products when cutting or perforating.

### **Cancel To Exit Import Screen**

This option leaves the [Import](#) screen open after a file is imported. If unchecked the [Import](#) screen closes automatically after an [Import](#).

### **Auto Size Font Tolerance**

This setting is used to define a tolerance value to be used when using the **Auto Size Font** option in the [Add Product](#) screen.

This will reduce the data areas by this value on the left, right, top and bottom of the **Product**. This is to allow for **Product** and printer tolerance variations and to prevent data from being printed outside of the **Product**.

**NOTE:** By default it is set to 2 mm. Only change this value if data is not printed correctly when using the **Auto Size Font** option in the [Add Product](#) screen.

### **Auto Size Font Tolerance**

This setting is used to define a tolerance value to be used when using the **Auto Size Length** option in the [Add Product](#) screen.

This will add to both the beginning and end of each marker this value when using Auto Size Length products. This can be used to prevent the cutter/perforator cutting too close to the text and making text unreadable.

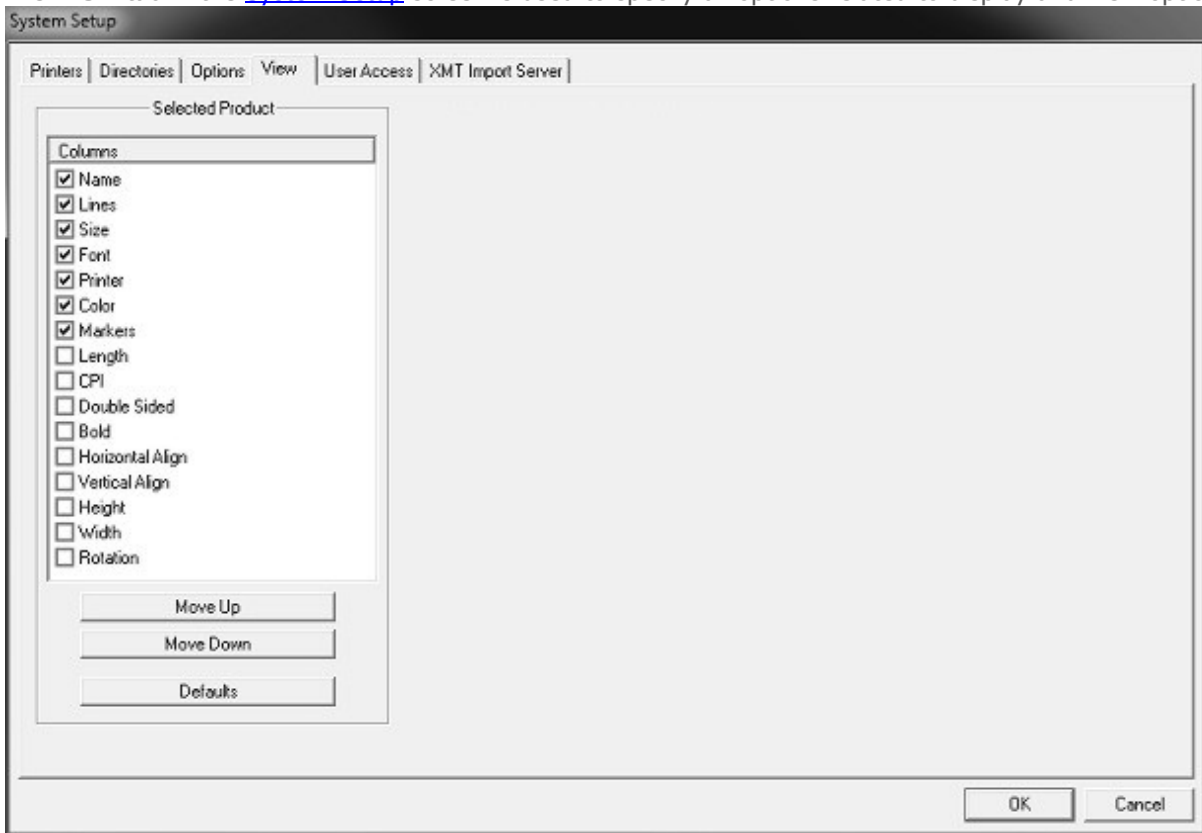
**NOTE:** By default it is set to 2 mm. Only change this value if data is not printed correctly when using the **Auto Size Length** option in the [Add Product](#) screen.

### **Serialization Characters**

This option allows the user to change the default Number (**Numerical**) and Letter (**Alpha**) Serialization characters. See the [Serializations](#) topic for more information.

# View

The **View** tab in the [System Setup](#) screen is used to specify all options related to display and view options.



## Screen Options

### **Selected Product**

This section is used to configure the columns available in the [Selected Product](#) list box in the main WinTotal screen.

A ticked item will enable it to be shown in the [Selected Product](#) list box. The order of these columns can be changed by selecting a Column item and using the **Move Up** or **Move Down** button to move it to the desired location.

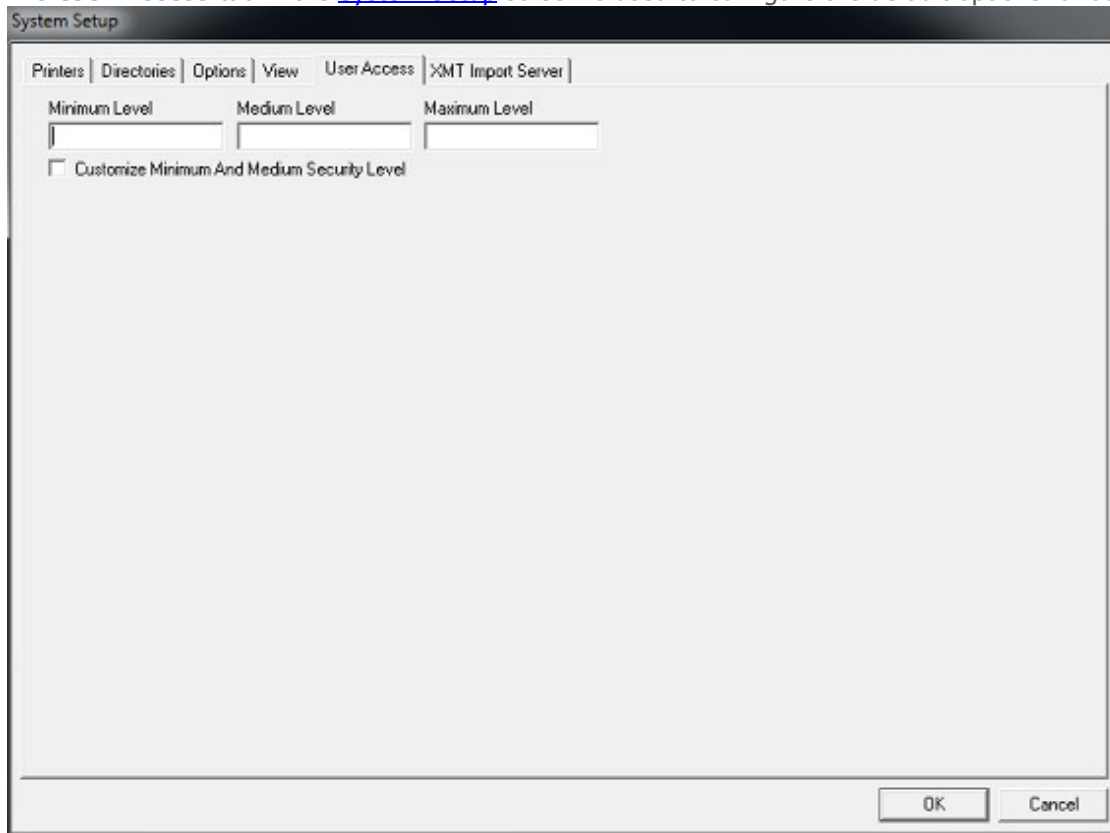
The **Defaults** button will select the following fields in the order below:

**Name**  
**Lines**  
**Size**  
**Font**  
**Printer**  
**Color**  
**Markers**

# User Access

---

The **User Access** tab in the [System Setup](#) screen is used to configure the default options for user access.



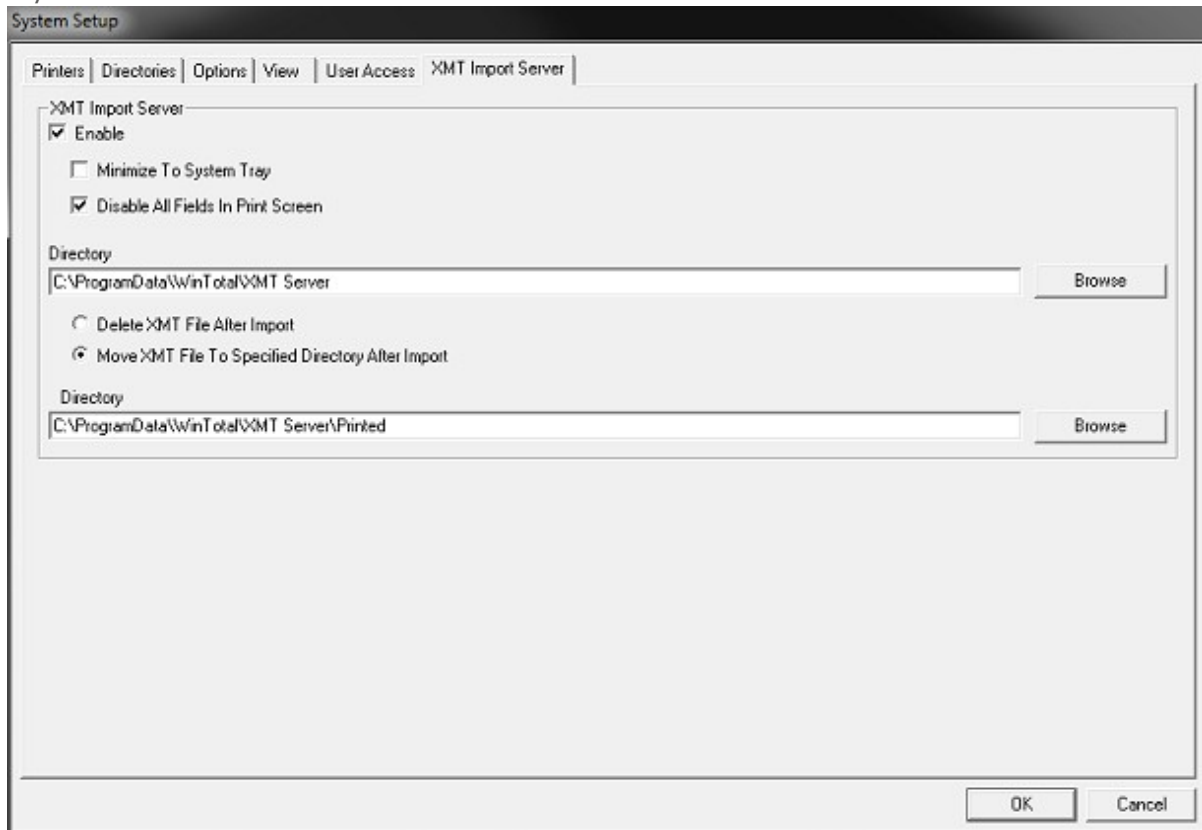
This screen allows the default options for **Minimum Level** and **Medium Level** passwords to be customized from their defaults

# XMT Import Server

---

The **XMT Import Server** tab in the [System Setup](#) screen is used to configure WinTotal to act as a server for importing and printing XMT files.

This allows WinTotal to monitor for new XMT files. Once detected it will **Import** then **Print** without saving any data into WinTotal.



## Screen Options

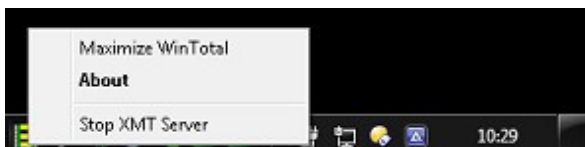
---

### **Enable**

This option turns on and off the XMT Import Server

### **Minimize To System Tray**

This will minimize WinTotal to the system tray. Once enabled each time WinTotal is restarted it will remain minimized. The program can be maximized by **Right** clicking the **WinTotal Icon** and selecting **Maximize WinTotal**. The XMT server can also be stopped by clicking **Stop XMT Server** option.



### **Disable All Fields In Print Screen**

If selected when the [Print](#) screen appears all options will be disabled. All values must be configured in the **Advanced Printer Setup** option in the [Printers](#) tab of the [System Setup](#) screen.

### **Delete XMT File After Import**

This option will **Delete** the XMT file as soon as the **Product** is printed.

**Move XMT File To Specified Directory After Import**

This option will **Move** the XMT file as soon as the **Product** is printed to a specified directory.

**Directories**

The location of which Directory WinTotal will monitor and the location of where printed XMT's will be placed can be viewed and changed in the **Directories** area by either using the **Browse** options or typing the path in manually. Entering a location that does not exist will create a new one.

# Help

---

The **Help** option will open the Help Topic. To go directly to a topic based on the programs current screen press F1.



## Log Off

---

The **Log Off** option is enabled only if [User Access](#) level passwords have been created in the [System Setup](#) screen for logging into WinTotal.

It allows the user to log off their current password level without having to [Exit](#) the program completely.

## Exit

---

The **Exit** option will close WinTotal. This can also be done via the X icon in the top right corner of the screen.

# Ribbon

---

The **Ribbon** is the new standard for programs to display commands and features that were previously in a toolbar.



The following ribbon tabs are available:

[Quick Access Controls Tab](#)

[Product Tab](#)

[Data Entry Tab](#)

[Print Tab](#)

[Data Entry Tab](#) - this is only available when editing data.

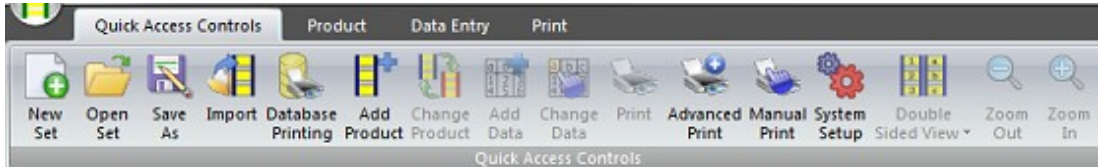
**NOTE:** Any of the commands in the **Ribbon** can be added to the [Quick Access Toolbar](#) for quick access. Please read the [Screen Overview](#) topic for more information.

# Quick Access Controls Tab

---

The **Quick Access Controls Tab** is the tab used to contain the most common features.

It is also used as a tab to make transition from WinTotal v5 simpler by duplicating the commands found in toolbar of WinTotal v5.



The commands here originate from one of the other tabs or WinTotal Button.

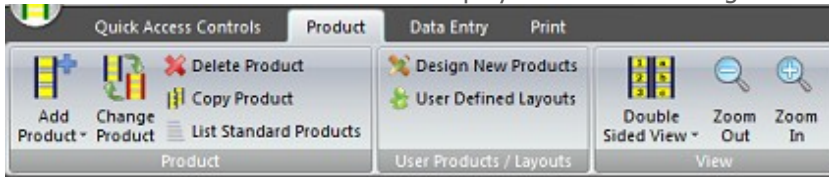
Command	Original Location
<a href="#">New Set</a>	<a href="#">WinTotal Button</a>
<a href="#">Open Set</a>	<a href="#">WinTotal Button</a>
<a href="#">Save As</a>	<a href="#">WinTotal Button</a>
<a href="#">Import</a>	<a href="#">Data Entry Tab</a>
<a href="#">Database Printing</a>	<a href="#">Data Entry Tab</a>
<a href="#">Add Product</a>	<a href="#">Product Tab</a>
<a href="#">Change Product</a>	<a href="#">Product Tab</a>
<a href="#">Add Data</a>	<a href="#">Data Entry Tab</a>
<a href="#">Change Data</a>	<a href="#">Data Entry Tab</a>
<a href="#">Print</a>	<a href="#">Print Tab</a>
<a href="#">Advanced Print</a>	<a href="#">Print Tab</a>
<a href="#">Manual Print</a>	<a href="#">Print Tab</a>
<a href="#">System Setup</a>	<a href="#">WinTotal Button</a>
<a href="#">Double Sided View</a>	<a href="#">Product Tab</a>
<a href="#">Zoom Out</a>	<a href="#">Product Tab</a>
<a href="#">Zoom In</a>	<a href="#">Product Tab</a>

**NOTE:** Any of the Commands in the **Quick Access Controls Tab** area can be added to the [Quick Access Toolbar](#) for quick access. Please read the [Screen Overview](#) topic for more information.

# Product Tab

---

The **Product Tab** is the tab used to display commands relating to Products.



The following ribbon panels are available:

[Product Panel](#)

[User Products / Layouts](#)

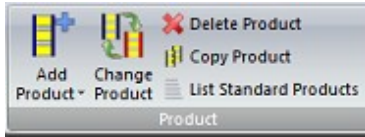
[View Panel](#)

**NOTE:** Any of the Panels in the **Product Tab** area can be added to the [Quick Access Toolbar](#) for quick access. Please read the [Screen Overview](#) topic for more information.

# Product Panel

---

The **Product Panel** is used to display commands relating to Products.



The following ribbon controls are available:

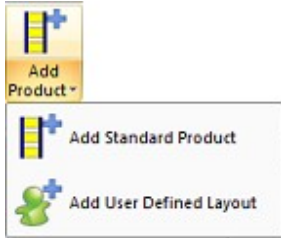
- [Add Product](#)
- [Change Product](#)
- [Delete Product](#)
- [Copy Product](#)
- [List Standard Products](#)

**NOTE:** Any of the control in the **Product Panel** can be added to the [Quick Access Toolbar](#) for quick access. Please read the [Screen Overview](#) topic for more information.

# Add Product

---

The **Add Product** button has several functions:



1. Pressing the **Add Product** button will open the [Add Standard Product](#) screen.
2. Pressing the **Arrow** will open a sub menu with the following commands:
  - **Add Standard Product** will open the [Add Standard Product](#) screen.
  - **Add User Defined Layout** will open the [Add User Defined Layout](#) screen.

# Add Standard Product

---

The **Add Standard Product** screen is used to specify the **Product** to be used.

There are two different options available for selection, **Standard Product** and [User Defined Layout](#).

The **Standard Product** allows pre create **TE Connectivity** templates and templates created by the [Design New Products](#) option to be selected.

See the [Printer & Product Support](#) topic for a compatibility list, only compatible combinations are displayed.

Add Product [48.0 x 6.0 mm - TE3124]

Type  
 Standard Product  User Defined Layout

Selected Product

Family	Type	Size	Derivative	Color
SLEEVE	RPS	22-18	2.00	WHITE

Double Sided

Attributes

Font Style	Font Size	Lines	<input checked="" type="checkbox"/> Bold	<input type="checkbox"/> 6 and 9 underlined
Arial	10 pt.	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Auto Size  
None

Rotation	Horizontal Align	Vertical Align
0	Center	Center

Auto Numbering Product Max. Characters Per Field

Save As Default

## Screen Options



---

## Selected Product section

---

### **Family**

This list box allows the user to select the **Family** the **Product** belongs to.

The following families are available:

**Sleeve** - this is for all heat shrink sleeves.

**Label** - this is for all die cut labels.

**Cable Marker** - this is for cable markers that are fixed using cable ties.

**Continuous** - this is for continuous labels. **Note:** Continuous heat shrink sleeves are located in the Sleeve family.

### **Type**

This is the **Product** type and can be found on the products label. eg **TMS-SCE**.

---

## Attributes section

---

### **Size**

This is the **Product** size and can be found on the products label. eg **3/32**

### **Derivative**

This refers to either the length, number of pre-scores, or the format of the **Product** size and can be found on the products label. eg **S1-2.0**

### **Font Style**

Arial and Courier New are the font styles allowed. See [Font Selection](#) topic for more information about fonts.

### **Font Size**

This shows the available point sizes for the selected font. The values displayed will adjust depending on the selected **Product** and **Lines** fields.

### **Bold**

This option which gives a darker mark when printed. This is recommended for most applications.

### **6 and 9 underlined**

This will underline the numbers 6 and 9.

This allows the correct orientation of the character to be determined. eg **6** and **9**

### **Auto Size**

This option has three options available.

#### **None**

This does not apply any Auto Size settings

#### **Font**

This option will allow a best fit font size to be selected based upon the data entered. When enabled a the **Font Size** control will be used as the **Font Minimum** and a new control called **Font Maximum** will be displayed. These controls then can be used to set the minimum and maximum font size that can be used. When selected the font size will be set to the maximum size that allows the data to fit the **Product** limiting it between the minimum and maximum values.

#### **Length**

This option is only available for **Continuous Sleeve Products** and compatible printers. This allows a **Continuous Sleeve Product** to be created where its length is calculated based upon

the length of the data used on each legend. This means the length of each legend will be different making the marker length as small as possible. Note this feature is only available for the **T6112DS** if the **Double Print Optimize** option is enabled and the printer supports this feature. Please contact [Technical Support](#) for more information.

### **Lines**

This option allows the user to select the number of lines of text required on the **Product**.

### **Color**

This allows the color of the **Product** to be selected, only available ones will be shown.

### **Double Sided**

This allows the **Product** to have different text on both Front and Back This is not required if Both Sides have data that is the same.

### **Rotate Back Side 180°**

This option is enabled when selecting the **T6112DS** printer. This rotates the **Back Side** of a **Double Sided Product** by 180°.

### **Rotation**

This will allow the **Rotation** of the text to be selected. **0°**, **90°**, **180°** and **270°** options are available where the **Product** and **Printer** allow.

### **Horizontal Align**

This option allows the text to be horizontally aligned to **Left**, **Center** or **Right**. This option is not supported for **Auto Size Length** products and is disabled when they are used.

### **Vertical Align**

This option allows the text to be vertically aligned to **Top**, **Center** or **Bottom**. This option is not supported for **Auto Size Font** products and is disabled when they are used.

## **Dimensions section**

---

The Dimensions section is displayed when a **Continuous Product** is selected. It is also available for the **Continuous** family and Continuous Heat Shrink products in the **Sleeve** family.

See the [Printer & Product Support](#) topic for a compatibility list.

These options are disabled if **Auto Size Length** products are used.

### **Length Type**

This allows the length to be entered using one of the following measurements:

Length mm

- Length mm
- Length inch
- Diameter mm **not** available for **Sleeve** family products.
- Diameter inch **not** available for **Sleeve** family products.

### **Length**

This option allows the user to input a length or diameter figure based upon the **Length Type** selection.

### **Disable Occurs**

Occurs is an option to allow data on a **Continuous Family** products to be repeated along its length a specified number of times without the data having to be entered multiple times. This option will

disable this feature.

### **Advanced**

This option is only available for some **Continuous Family** products and will open the [Advanced Product Setting](#) screen where advanced product settings can be configured.

## **Other Controls**

---

### **Auto Numbering Product**

This option will allow an **Auto Numbering Product** to be created. This is a **Product** that allows only 1 **Legend** to be created. When [Serializations](#) are added they will be remembered when printed and print the next **Legend** from the next value. For more information see the [Serializations](#) section.

When **Auto Numbering Product** is selected then the following options are visible.

#### **Update Counters After Print**

This will update the counter to start from the next value when next printed. If not selected the counter will reset to the original **Base** value. For more information see the [Serializations](#) section.

#### **Prompt After Printing Product**

This will prompt the user after printing to confirm if all **Legends** were printed correctly before updating the counters. If unselected then no prompt is shown and the counter update will be applied automatically.

### **Max Characters Per Field**

This option shows the maximum characters allowed to be entered onto the **Product**. This is an accurate figure for Courier New however for Arial it is an approximate value. See [Font Selection](#) for more information.

### **Save as Default**

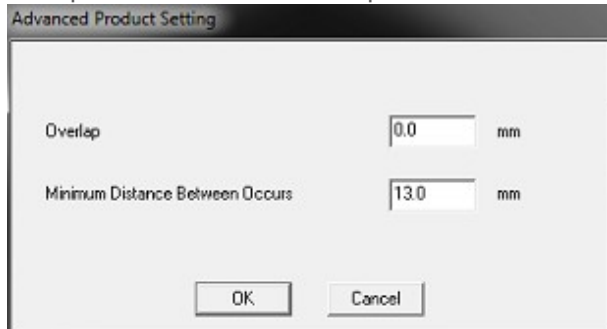
This option saves the **Product** selection. These values will be used as default when the **Add Product** screen is next opened.

# Advanced Product Setting

---

The **Advanced Product Setting** screen is used to specify the **Advanced Product Settings** to be used.

The options available will be dependent on the **Product** and **Printer** selected.



Advanced Product Setting

Overlap  mm

Minimum Distance Between Occurs  mm

OK Cancel

## Screen Options

---

### **Overlap**

This option is available for a limited number of products and allows an Overlap area to be defined within the Length where data cannot be printed. It is used for products that can be adhered to itself.

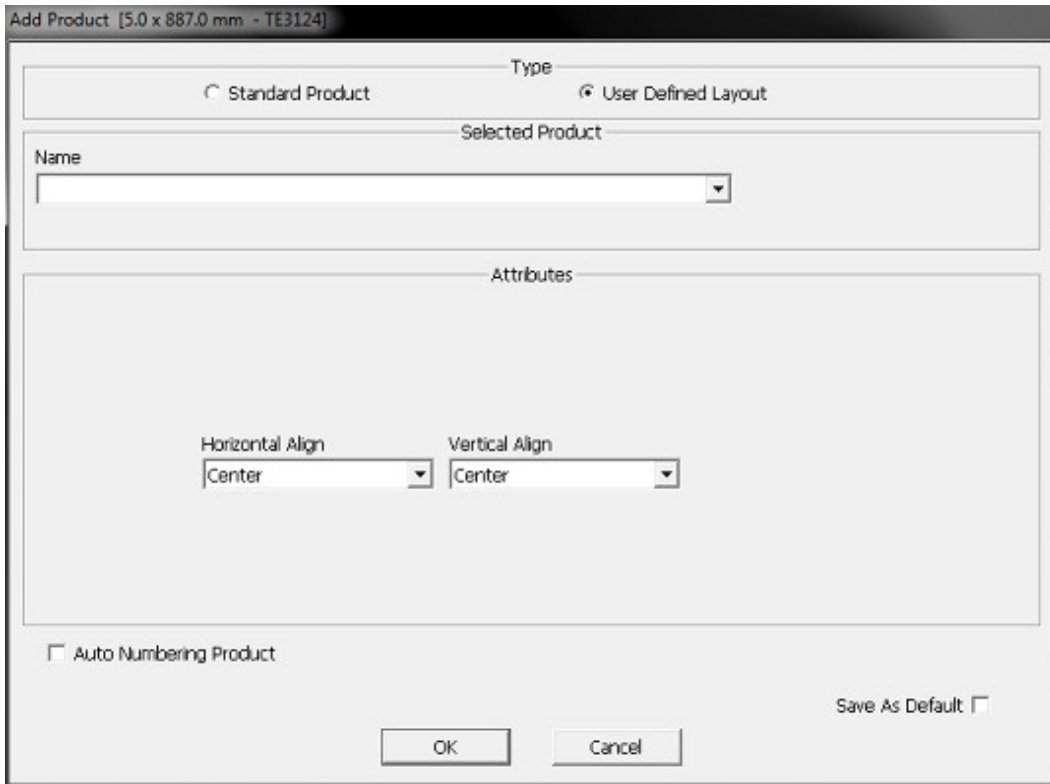
### **Minimum Distanced Between Occurs**

This option can be used to customize the space between **Occurs**. For more information see the **Occurs** section in the [Add Standard Product](#) topic.

# Add User Defined Layout

---

The **Add User Defined Layout** screen allows **Products** created from the [User Defined Layouts](#) screen to be selected.



## Screen Options

---

### Selected Product section

---

#### **Name**

This is a list of all [User Defined Layouts](#) available.

#### **Horizontal Align**

This option allows the text to be horizontally aligned to **Left**, **Center** or **Right**. This option is not supported for **Auto Size Length** products and is disabled if the User Defined Layout has this enabled.

#### **Vertical Align**

This option allows the text to be vertically aligned to **Top**, **Center** or **Bottom**. This option is not supported for **Auto Size Font** products and is disabled if the User Defined Layout has this enabled.

### Other Controls

---

#### **Auto Numbering Product**

This option will allow an **Auto Numbering Product** to be created. This is a **Product** that allows only 1 **Legend** to be created. When [Serializations](#) are added they will be remembered when printed and print the next **Legend** from the next value. For more information see the [Serializations](#) section.

When **Auto Numbering Product** is selected then the following options are visible.

#### **Update Counters After Print**

This will update the counter to start from the next value when next printed. If not selected the counter will reset to the original **Base** value. For more information see the [Serializations](#) section.

**Prompt After Printing Product**

This will prompt the user after printing to confirm if all **Legends** were printed correctly before updating the counters. If unselected then no prompt is shown and the counter update will be applied automatically.

**Save as Default**

This option saves the **Product** selection. These values will be used as default when the **Add Product** screen is next opened.

## Change Product

---

The **Change Product** screen is identical to the [Add Product](#) screen and allows the current **Selected Product** to be changed.

Caution should be used when changing **Products**. Data may be lost or truncated if the new **Product** has fewer or smaller data fields.

# Delete Product

---

This option will delete the current **Selected Product** within the **Selected Set**. All of the data for that **Product** will be deleted.

If no **Product** is selected when this option is selected a list of all products in the **Selected Set** will be displayed.

Selected products will be deleted when the **Delete** button is pressed.

Product	Color	Lines	Legends	Printer
<input type="checkbox"/> SCE 1/4-2.00	WHITE	1	3	TE3124
<input type="checkbox"/> RPS 22-18/2.00	WHITE	1	0	TE3124

Number Of Products To Be Deleted. 0

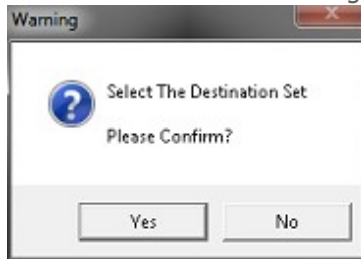


# Copy Product

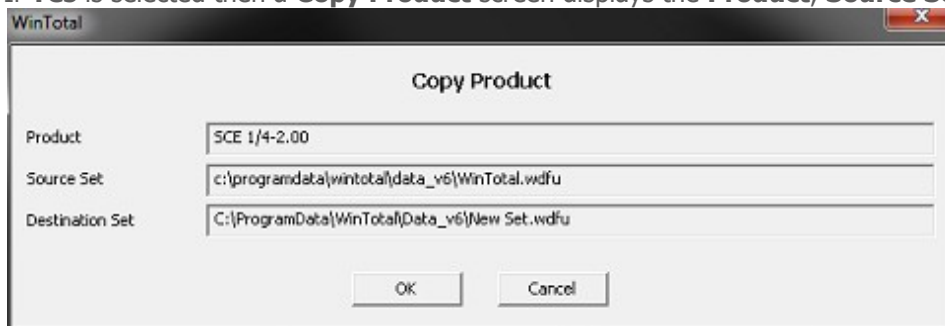
---

This option allows a **Product** and its data to be copied from one **Set** to another one. It is only enabled when a **Product** is selected.

When selected a screen asking the user to **Select The Destination Set** is displayed

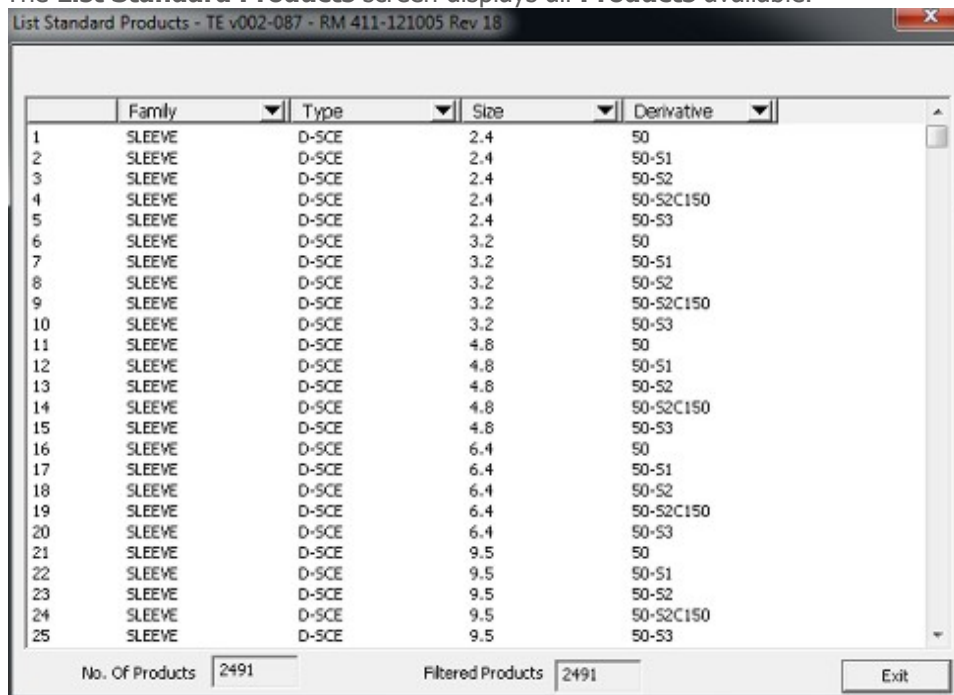


If **Yes** is selected then a **Copy Product** screen displays the **Product**, **Source Set** and **Destination Set**.



# List Standard Products

The **List Standard Products** screen displays all **Products** available.



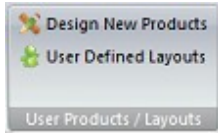
The screenshot shows a software window titled "List Standard Products - TE v002-087 - RM 411-121005 Rev 18". The window contains a table with the following columns: Family, Type, Size, and Derivative. The table lists 25 rows of product data. At the bottom of the window, there are two input fields: "No. Of Products" with the value "2491" and "Filtered Products" with the value "2491". An "Exit" button is located at the bottom right of the window.

	Family	Type	Size	Derivative
1	SLEEVE	D-SCE	2.4	50
2	SLEEVE	D-SCE	2.4	50-51
3	SLEEVE	D-SCE	2.4	50-52
4	SLEEVE	D-SCE	2.4	50-52C150
5	SLEEVE	D-SCE	2.4	50-53
6	SLEEVE	D-SCE	3.2	50
7	SLEEVE	D-SCE	3.2	50-51
8	SLEEVE	D-SCE	3.2	50-52
9	SLEEVE	D-SCE	3.2	50-52C150
10	SLEEVE	D-SCE	3.2	50-53
11	SLEEVE	D-SCE	4.8	50
12	SLEEVE	D-SCE	4.8	50-51
13	SLEEVE	D-SCE	4.8	50-52
14	SLEEVE	D-SCE	4.8	50-52C150
15	SLEEVE	D-SCE	4.8	50-53
16	SLEEVE	D-SCE	6.4	50
17	SLEEVE	D-SCE	6.4	50-51
18	SLEEVE	D-SCE	6.4	50-52
19	SLEEVE	D-SCE	6.4	50-52C150
20	SLEEVE	D-SCE	6.4	50-53
21	SLEEVE	D-SCE	9.5	50
22	SLEEVE	D-SCE	9.5	50-51
23	SLEEVE	D-SCE	9.5	50-52
24	SLEEVE	D-SCE	9.5	50-52C150
25	SLEEVE	D-SCE	9.5	50-53

# User Products / Layouts

---

The **User Products / Layouts** is used to display commands relating to Products.



**The following ribbon controls are available:**

[User Defined Layouts](#)  
[Design New Products](#)

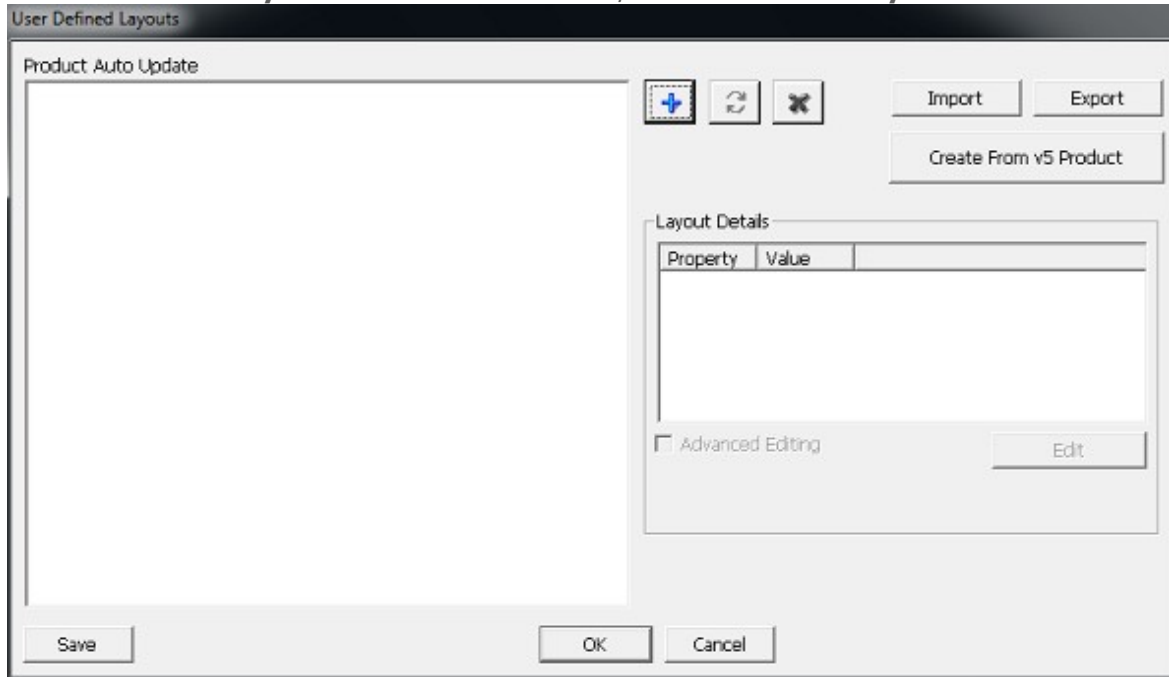
**NOTE:** Any of the control in the **User Products / Layouts** can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.

# User Defined Layouts

---

The **User Defined Layouts** screen is used to create/edit **User Defined Layouts**.



A **User Defined Layout** is a **Product** that can be created by a user based on a **Standard Product**.

Once created a **User Defined Layout** is added to a **Set** via the [Add Product](#) screen.

A **User Defined Layout** contains all parameters that can be selected in the [Add Product](#) screen and allows the user to save these parameters to a name of their choice.

If required **Advanced Editing** can be applied for custom formatting of the **User Defined Layout**.

**Eg.** Custom Fields such as Barcodes and Graphics.

## Screen Options

---



### **New**

This will open the [Create New User Defined Layout](#) screen where the base product for the template can be selected.



### **Change**

This will open the [Create New User Defined Layout](#) screen where the **Product** used to create the **User Defined Layout** to be changed or renamed.



### **Delete**

This option allows the user to remove any selected **User Defined Layout**. Multiple layouts can be selected using the standard Windows methods using **CTRL** or **SHIFT** keys with mouse selection.

### **Product Auto Update**

This option is a check box that can be enabled/disabled for individual User Defined Layouts. If a User Defined Layout using this option is selected in the [Selected Product](#) list box this product will be automatically refreshed with the User Defined Layout settings.

This allows users to make changes to User Defined Layouts and if enabled these changes will be automatically applied to each **Set** when this product is selected.

If this option is disabled then the product will remain with the settings that were found when the product was added to the set.

### **Import**

This allows **User Defined Layout** to be imported from different installations of WinTotal and merged into the current installation. The WinTotal v5 .wup format and WinTotal v6 .wupu format can be imported.

### **Export**

This allows existing **User Defined Layout** to be exported from the current installation, for either backup or to be imported into another copy of WinTotal. It is only possible to export to the WinTotal v6 .wupu format.

### **Create From v5 Product**

This option allows a **User Defined Layout** to be created from a Product in a WinTotal v5 Set .wdf file. When selected an Open screen will be displayed allowing the selection of a WinTotal v5 .wdf set. Once selected the [Create From v5 Product](#) screen is shown allowing the product to be used to be selected. See the [Create From v5 Product](#) topic for more information

For more information please read the [Upgrading From v5 to v6](#) topic.

### **Layout Details**

This shows the details of a single **User Defined Layout**. The values that are displayed are the same in the **Selected Product** list box in the main screen and can be configured via the [View](#) tab in the [System Setup](#) screen.

### **Advanced Editing**

This enables the **User Defined Layout** to be configured for **Advanced Editing**. When selected the **Edit** button is enabled.

allowing the user to change the template layout. This feature should be used if a template requires features not selectable in the [Add Product](#) screen.

#### **For Example:**

- Change the font to a different type other than Arial or Courier New
- Adding Barcodes with fixed data or data linked to data fields in WinTotal
- Adding Graphics, lines, circles or rectangles

Unselecting this option will remove the **Advanced Editing** feature and any custom changes made to the product.

### **Edit**

When a **User Defined Layout** is selected and the Advanced Editing option is enabled pressing this option will allow the user to edit/change the template layout.

#### **For Example:**

- Double-click on any field to modify its font.
- Adding Barcodes with fixed data or data linked to data fields in WinTotal
- Adding Graphics, lines, circles or rectangles

When editing is finished, close the Edit module to save the settings and return to the **User Defined Layouts** screen.

**Save**


The Save Button allows changes made to be saved manually. All changes are Saved when the OK button is selected

**Cancel**

If the Cancel Button is pressed then any changes made since the last save will be lost. A warning prompt is shown to the user.

## Options



The options button  can show or hide the options below as they are not commonly used, it does not affect their functionality).

---

## Change Layout

This button allows a **User Defined Layout** to have defined areas that are unprintable. For example, the placement of scores in pre-cut markers can be created by clicking the mouse on an area you wish to make unprintable on the marker.

When clicking in the **Layout** window a symbol indicating a unprintable area is displayed. When the **Layout** is completed select **Save**.

# Create New User Defined Layout

The **Create New User Defined Layout** screen is used to defined the **User Defined Layouts**.

The screenshot shows a dialog box titled "Create New User Defined Layout [TE3124]". It features a text input field for "User Defined Layout Name". Below this is a "Selected Product" section with dropdown menus for "Family" (SLEEVE), "Type" (SCE), "Size" (1/4), "Derivative" (2.00), and "Color" (WHITE). A "Double Sided" checkbox is present. The "Attributes" section includes dropdowns for "Font Style" (Arial), "Font Size" (10 pt.), and "Lines" (1). Checkboxes for "Bold", "6 and 9 underlined", and "Default Lines Per Product" are also shown. There are dropdowns for "Auto Size" (None) and "Rotation" (0). At the bottom right, a "Max. Characters Per Field" field is set to 24, and a "Save As Default" checkbox is visible. "OK" and "Cancel" buttons are at the bottom center.

The **User Defined Layout Name** can be specified. ( up to 50 characters including spaces )

A **Standard Product** must then be selected as the base for the **User Defined Layouts** on.

The options on this screen are similar to those in the [Add Product](#) screen. See the [Add Product](#) screen for more information.

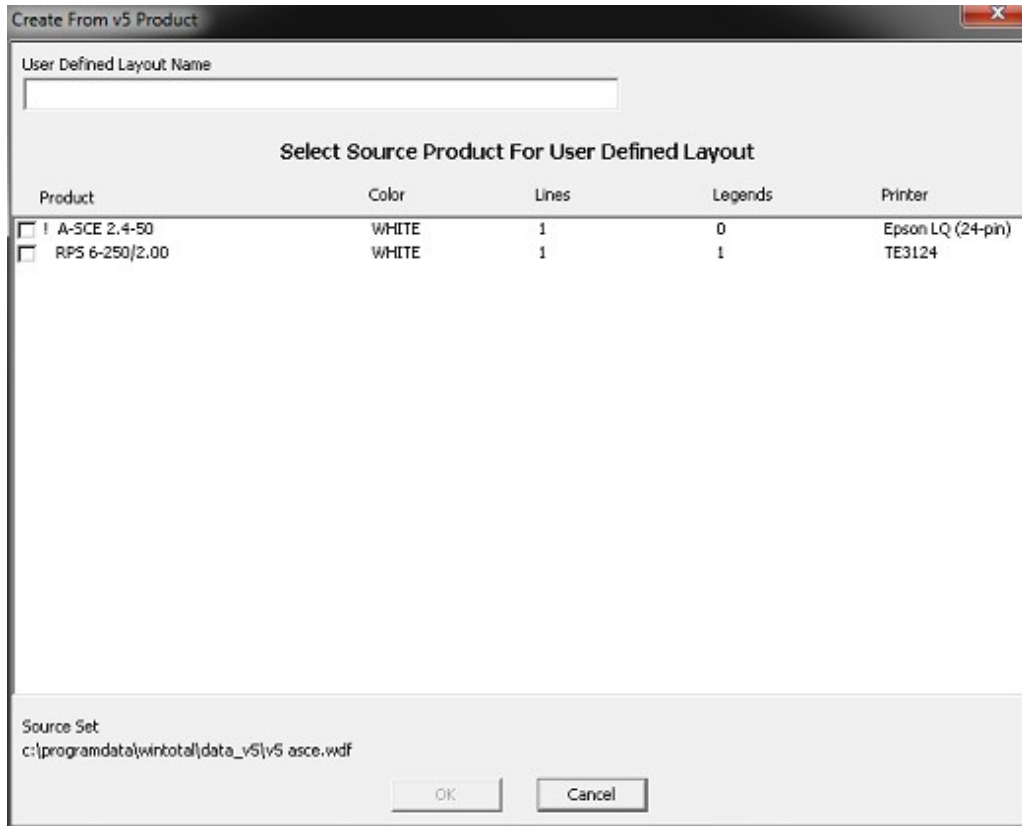
The **Default Lines Per Product** option is the only command not in the [Add Product](#) screen and when enabled will only show the number of lines available as per standard products. Removing this option will allow up to 100 lines per product.



# Create From v5 Product

---

The **Create From v5 Product** screen is used to select the Product to be used from a WinTotal v5 .wdf set.



The **User Defined Layout Name** can be specified ( up to 50 characters including spaces )

The **Product** required to be used as the basis for the **User Defined Layout** can then be selected.

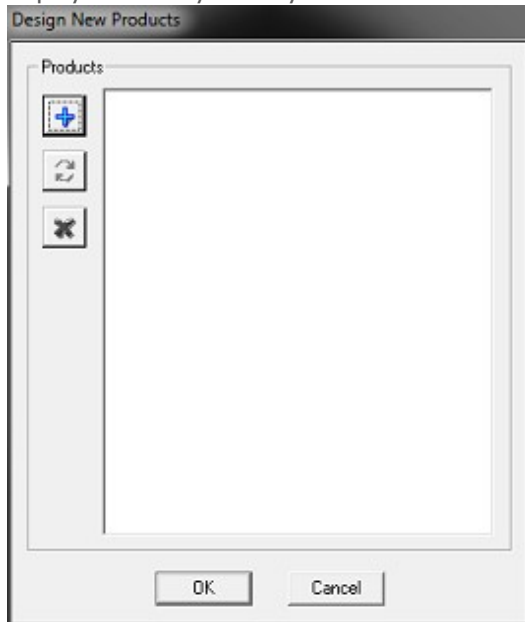
Incompatible products will be shown with a !.

For more information please read the [Upgrading From v5 to v6](#) topic.

# Design New Products

---

The **Design New Products** screen is used to create a new **Product** to be added into WinTotal. It also displays a list any already created ones.



---

## Screen Options



### **New**

This will of a screen with the following options:

**Create From New** - this will open the [Edit Product](#) screen.

**Load Values From A Standard Product** - this will open the [Select Standard Product](#) screen where the base product for the new product can be selected.



### **Change**

This is will allow a selected **Product** to be changed in the [Edit Product](#) screen.

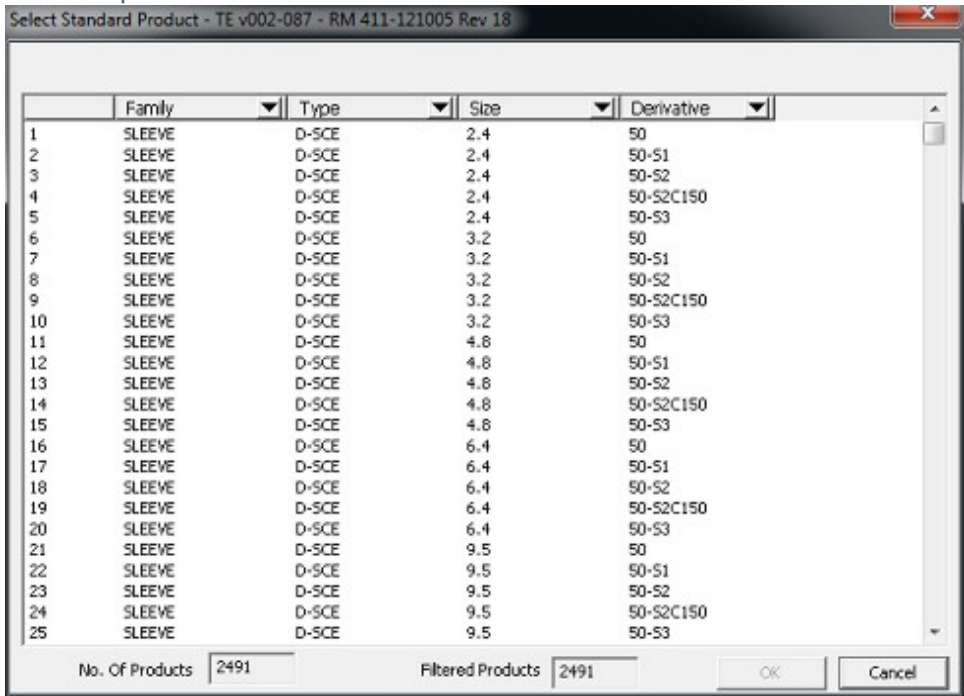


### **Delete**

This button will remove any highlighted **Product**. There will be no warning message prior to removing the **Product** design. To undo the this function, press the **Cancel** button.

# Select Standard Product

The **Select Standard Product** screen is used to select a TE Connectivity **Product** to be used as the basis for a new product.



This option is available if the **Load Values From A Standard Product** option was selected from the **New** option in the [Design New Products](#) screen.

**Products** can be sorted and filtered to make selection easier.

# Edit Product

---

The **Edit Product** screen is used to configure the new product and is divided into 3 tabs.

[Dimensions](#)

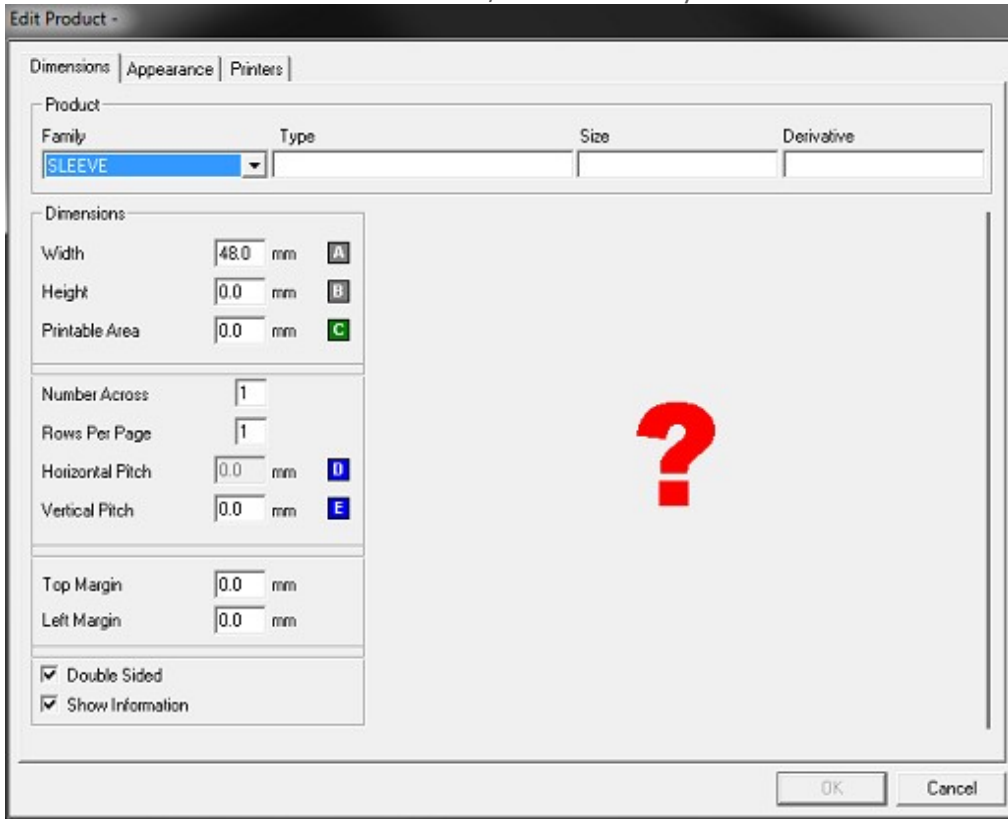
[Appearance](#)

[Printers](#)

# Dimensions

---

The **Dimensions** screen is used to create/edit the basic layout of the **Product**.



The **Dimensions** tab allows users to create the basic layout of the **Product**.

**Note:** If the product is created using the [Select Standard Product](#) option then some options on this screen will not be editable.

## Screen Options

---

### Product section

---

#### Family

This list box specifies which group of **Products** the new design will be included with. This choice will determine where the **Products** are displayed during [Add Product](#) screen.

**Note:** If a **Product** is added to the **Continuous** family the **Height**, **Printable Area**, **Horizontal Pitch** and **Vertical Pitch** are not allowed to be specified as they are not required. Any **Printer** that uses this **Product** will also be configured to run in continuous mode if it has one. Do not add any **Products** that require the printer sensor to function into this **Family**.

#### Type, Size & Derivative

The **Product** name is made up of the these fields, separated by a space. It can be up to 50 characters in length, consisting of any characters.

## Dimensions section

---

### **Width**

The **Width** of an individual **Product** can range from 3mm to 500mm or 0.12inches to 19.6 inches.

### **Height**

The **Height** of an individual **Product** can range from 3mm to 500mm or 0.12inches to 19.6 inches.

### **Printable Area**

The **Height** and **Printable Area** are most often the same. During entry of the **Height**, the same value will be automatically placed in the **Printable Area** field. The values will be different if the actual **Printable Area** of the **Product** is less than the total **Height**. **Product** with a long clear wraparound end are examples of where the **Printable Area** is smaller than the **Height**.

### **Number Across**

This value is based on the carrier format. This field is necessary for **Products** supplied on a wider carrier with more than one column across each row (both across and down from each other). The total number across a single row should be entered in this field.

### **Rows Per Page**

The **Rows Per Page** on a single sheet needs to be entered to accurately print. **Products** not separated on individual sheets should have a value of one in this field (if it is displayed).

### **Horizontal Pitch**

This value is only necessary if the **Number Across** value is greater than one. For **Products** with multiple columns, the entry is the sum of the **Width** and the gap between each across (the measurement from the left edge of one column to the left edge of the next column immediately to its right). If there is no gap, the **Horizontal Pitch** will equal the **Width**.

### **Vertical Pitch**

This value is the sum of the **Height** and the gap between each row (the measurement from the top edge of one row to the top edge of the row immediately beneath it). If there is no gap, the **Vertical Pitch** will equal the **Height**.

### **Top Margin**

This is the default **Top Margin** value that will be displayed in the [Print](#) screen. This can be overridden at [Print](#) time.

### **Left Margin**

This is the default **Left Margin** value that will be displayed in the [Print](#) screen. This can be overridden at [Print](#) time..

### **Double Sided**

This is used to allow the product to be created as a **Double Sided** one.

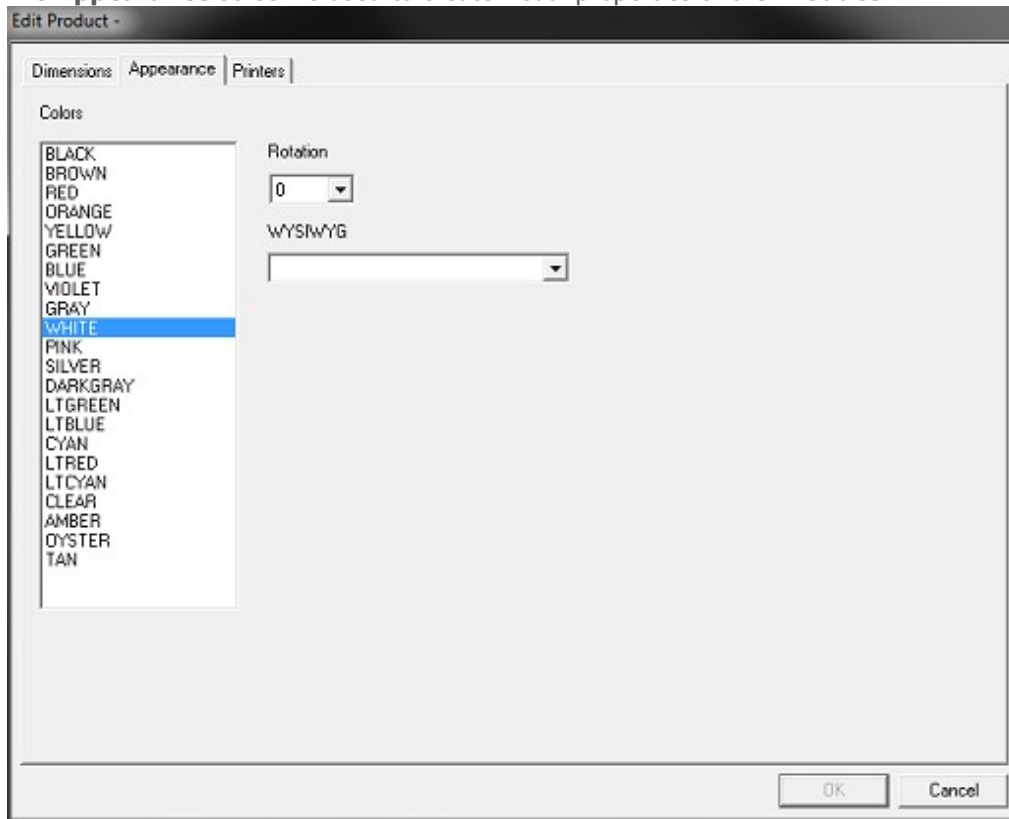
### **Show Information**

This will show Information symbols on the preview of the design to help understand the dimensions required.

# Appearance

---

The **Appearance** screen is used to create visual properties of the **Product**.



---

## Screen Options

### Colors

This is an option used for accurate visual display. It has no effect on printing. One or more **Colors** can be specified.

### WYSIWYG

This stands for **What You See Is What You Get**.

This is a common computing term used to show that the screen will display as per output.

This option will enable a predefined **WYSIWYG** display for the **Product**. This will result in a display showing the product to scale along with its preview showing the **Color**, carrier, tractor feed holes etc. If disabled a rectangular box will be displayed showing only the data. This option has **no** effect on its output to a **Printer**.

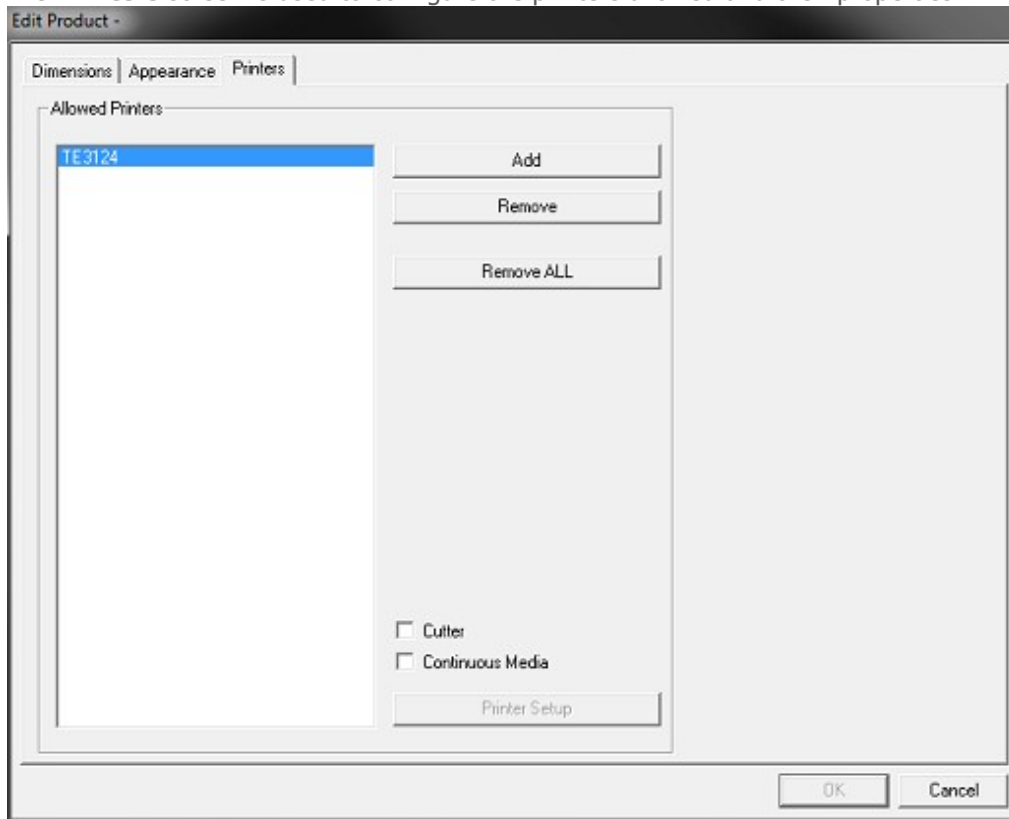
### Rotation

This will allow the **Rotation** of the text to be selected. **0°**, **90°**, **180°** and **270°** options are available where the **Product** and **Printer** allow.

# Printers

---

The **Printers** screen is used to configure the printers allowed and their properties.



**Note:** If the product is created using the [Select Standard Product](#) option then some options on this screen will not be editable.

As default the **Default Printer** in the [Printers](#) tab of the [System Setup](#) screen will be added.

## Screen Options

---

### **Add**

This will open a [Select Printers For Product](#) screen where a list of Printers available to be added will be displayed.

### **Remove**

This will remove a selected **Printer** from the **Allowed Printer** list.

### **Remove ALL**

This will remove all **Printers** from the **Allowed Printer** list.

### **Cutter**

This will allow the product to be cut if a compatible **Printer** is selected

### **Continuous Media**

This should be selected when the **Continuous** family is used. This will configure the sensing mode for the **Printer**.

### **Printer Setup**

This option is only available for **T312M** and **T312Mi** printers. If one of these printers is selected it will

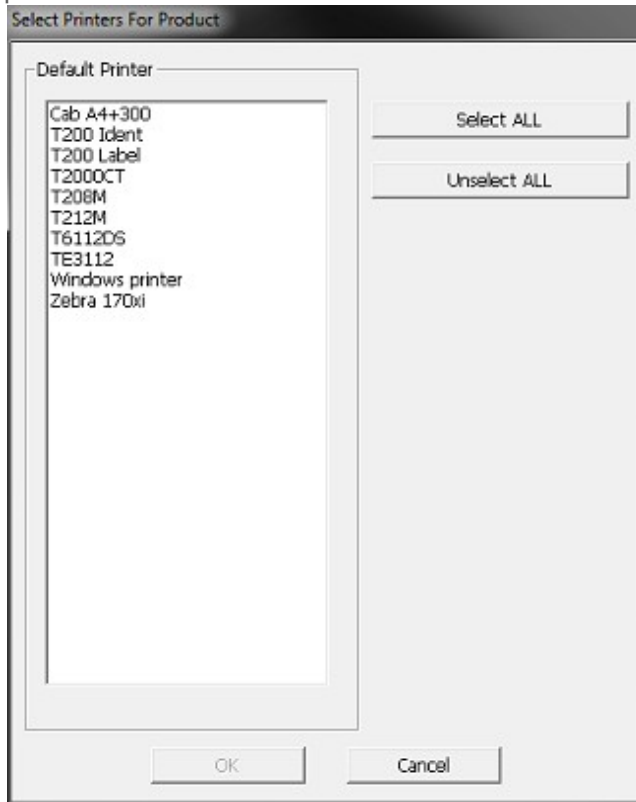


enable the [Printer Setup](#) screen button.

## Select Printers For Product

---

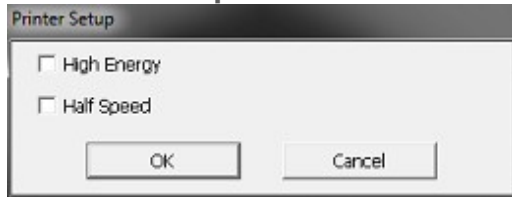
The **Select Printers For Product** screen is used to select which configure the printers are allowed for this product.



# Printer Setup

---

The **Printer Setup** screen is used to select options for the **T312M** and **T312Mi** printers.



## Screen Options

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### **High Energy**

This option is only available on the **T312M** and **T312Mi** printers and gives a higher energy value to the head giving improved mark performance.

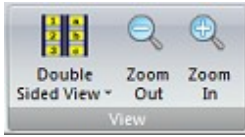
### **Half Speed**

This option is only available on the **T312M** and **T312Mi** printers and slows the printer down by half to help give even further improved mark performance.

# View Panel

---

The **View Panel** is used to display commands relating to Products.



**The following ribbon controls are available:**

[Double Sided View](#)

[Zoom Out](#)

[Zoom In](#)

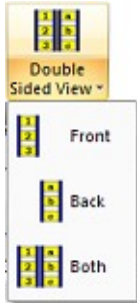
**NOTE:** Any of the control in the **View Panel** can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.

# Double Sided View

---

The **Double Sided View** button has several functions:



1. Pressing the Double Sided View button will show **Front** and **Back** sides of a **Double Sided** product side by side.
2. Pressing the **Arrow** will open a sub menu with the following commands:
  - **Front** will only show the **Front** side data.  
**NOTE:** When editing data the screen will toggle between showing the **Front** and **Back** side data as required. command.
  - **Back** will only show the **Back** side data.  
**NOTE:** When editing data the screen will toggle between showing the **Front** and **Back** side data as required. command.
  - **Both** will show **Front** and **Back** sides of a **Double Sided** product side by side.

**NOTE:** This is only available if a **Double Sided Product** is in the **Selected Product**

## Zoom Out

---

The can be used to **Zoom Out** the view of a **Product**.

These settings are saved for each **Product** within a **Set**.

## Zoom In

---

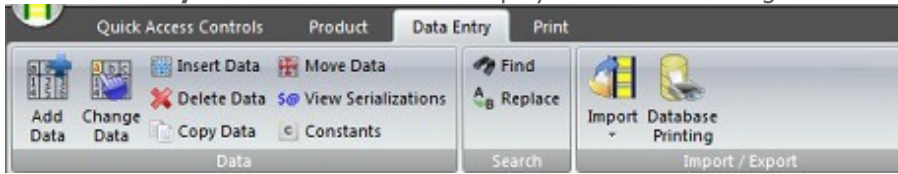
The can be used to **Zoom In** the view of a **Product**.

These settings are saved for each **Product** within a **Set**.

# Data Entry Tab

---

The **Data Entry Tab** is the tab used to display commands relating to Data Entry.



The following ribbon panels are available:

[Data Panel](#)

[Search Panel](#)

[Import / Export Panel](#)

**NOTE:** Any of the Panels in the **Data Entry Tab** area can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.



# Data Panel

---

The **Data Panel** is used to display commands relating to Data.



The following ribbon controls are available:

[Add Data](#)

[Change Data](#)

[Insert Data](#)

[Delete Data](#)

[Copy Data](#)

[Move Data](#)

[View Serializations](#)

[Constants](#)

**NOTE:** Any of the control in the **Data Panel** can be added to the [Quick Access Toolbar](#) for quick access.

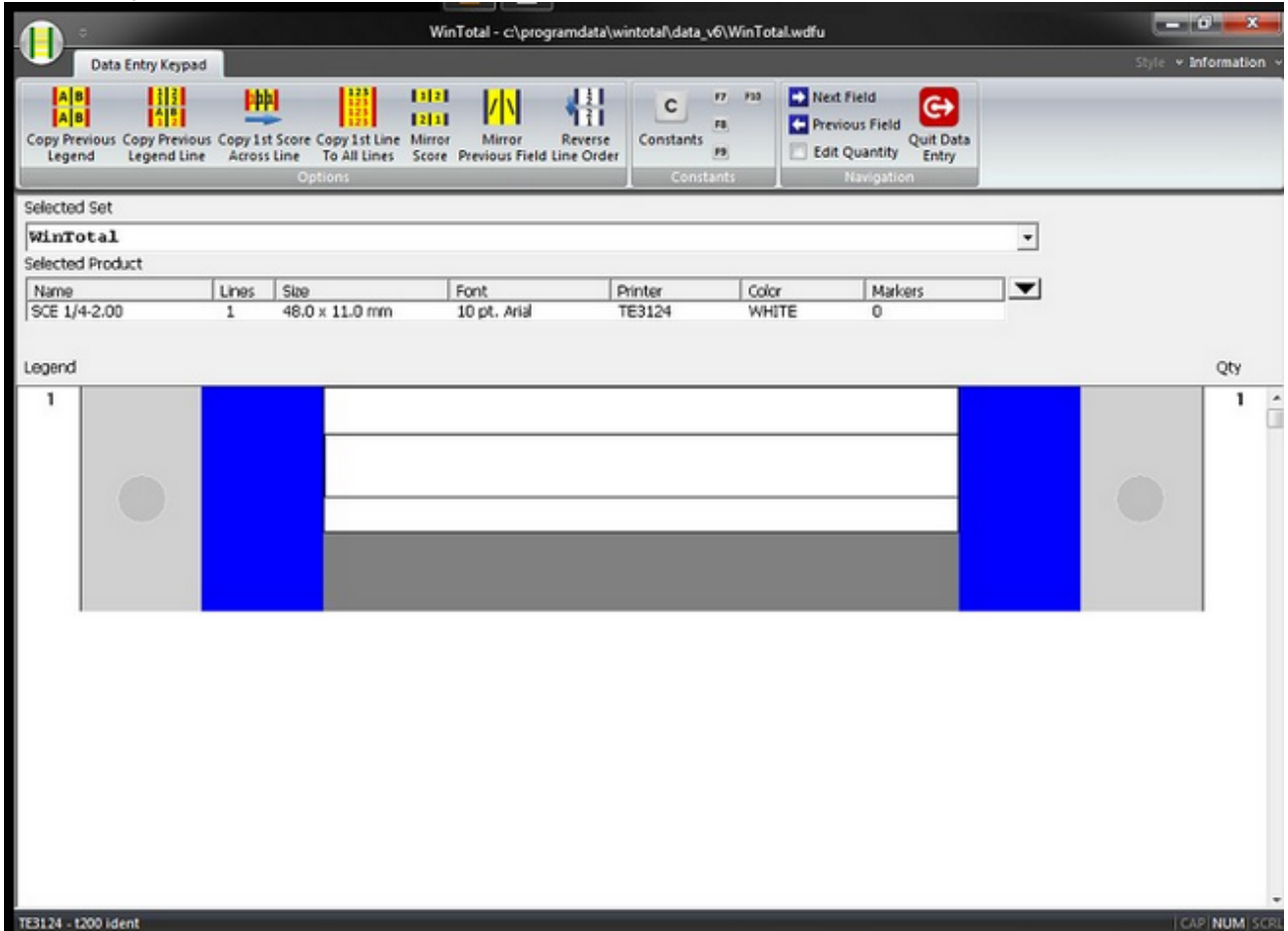
Please read the [Screen Overview](#) topic for more information.

# Add Data

---

The **Add Data** command is available when a **Product** has been created and is used to enter data.

Once this option is selected the data can be added to the Product



## Screen Options

---

### WinTotal Button

---

When in data entry mode most options in the [WinTotal Button](#) will be disabled.

### Ribbon

---

When editing data the standard [Ribbon](#) controls are replaced with the **Data Entry Keypad Tab**. For more information on these commands see the [Data Entry Keypad Tab](#) topic.

### Screen Overview

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#### Legend

A individual Product item is called a Legend.

These are automatically numbered starting at 1.

Once the data the first field/**Legend** is created pressing the **Enter** key on the keyboard will advance to the **Next Field** or Legend.

The order the fields are entered into as default is Across then Down. This can be changed. See the [Data Entry Order](#) topic for more information.

A **Legend** is saved when the next **Legend** is entered. To exit the **Add Data** mode enter into a new empty Legend and press the **ESC** button on the keyboard or select the **Quit Data Entry** button on the [Data Entry Keypad Tab](#).

### **Qty**

As default a **Legend** quantity (**Qty**) of 1 is added. This is number of times an individual **Legend** will be printed for each time the **Product** is printed. If different quantity values for individual **Legends** are required then select the **Edit Quantity** check box in on the [Data Entry Keypad Tab](#). Then the user is prompted to enter the **Qty** for each **Legend**.

To change the quantity of an existing **Legend**, select the **Legend** and click in the **Qty** area. The quantity field will become an entry box with the current quantity listed. Type the new quantity then press the **Enter** button.

### **Occurs**

This field appears when a **Continuous Family Product** is selected, unless the **Disable Occurs** option in the [Add Product](#) screen was selected.

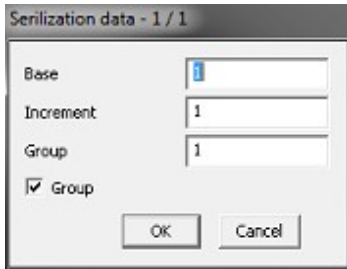
Occurs is an option to allow data on a **Continuous Family** products to be repeated along its length a specified number of times without the data having to be entered multiple times

For more information please read the [Data Entry Keypad Tab](#) topic.

# Serialisations

---

The **Serialisations** screen is displayed when a **Serialization** character is used.



The screenshot shows a dialog box titled "Serilization data - 1 / 1". It has three input fields: "Base" containing the number "1", "Increment" containing the number "1", and "Group" containing the number "1". Below these fields is a checkbox labeled "Group" which is checked. At the bottom of the dialog are two buttons: "OK" and "Cancel".

For more information please read the [Serializations](#) topic.

## Screen Options

---

### **Base**

This contains the first number or letter that the **Serialization** will begin with.

### **Increment**

This is the incremental value that will be added to each number or letter to give the next **Serialization** value. These can be positive or negative values.

### **Group**

This will divide the number of **Qty** by this figure to make duplicate copies of **Serialization**. This option is only available if the **Group** tick box is selected.

For more information please read the [Data Entry Keypad Tab](#) topic.

## Change Data

---

The **Change Data** command is available when a **Product** has been created and has data.

This option will open the main screen in the same mode as when the Add Data button is selected allowing **Legends** to be edited.

This option is only available if a **Legend** or multiple **Legends** are selected.

See the [Mouse Operation](#) topic for information on how to select **Legends**.

Editing can also be achieved by double clicking each **Legend**.

## Insert Data

---

The **Insert Data** command is only available if a single **Legend** is selected.

See the [Mouse Operation](#) topic for information on how to select **Legends**.

This allows a new **Legend** to be inserted before the selected **Legend**.

The **Ins** key on a keyboard can also implement this feature

## Delete Data

---

The **Delete Data** command is available when data is present on a product and allows **Legends** to be deleted.



If any **Legends** are selected when a **Delete Data** command is used then the **Delete** screen defaults to the **Delete Selected Legends** option which will delete only selected **Legends**.

If no **Legends** are selected when a **Delete Data** command is used then the **Delete** screen is displayed with the default option **Delete Legend Range** option selected which can then be used to specify which range to delete.

The **Maximum Legends** text will display the maximum values that are allowed.

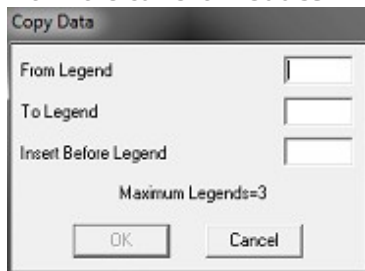
See the [Mouse Operation](#) topic for information on how to select **Legends**.

The **Delete** key on a keyboard can also implement this feature

## Copy Data

---

The **Copy Data** command is available when data is present on a product and allows **Legends** to be copied within the current **Product**.



The screen allows the **From Legend** and **To Legend** options to be specified for the range to **Copy**.

The **Insert Before Legend** option is used for the insertion point for the copied data to be placed.

If a **Legend** is selected this **Legend Number** is automatically added as the insertion point.

The **Maximum Legends** text will display the maximum values that are allowed.

See the [Mouse Operation](#) topic for information on how to select **Legends**.



## Move Data

---

The **Move Data** command is available when data is present on a product and allows **Legends** to be moved within the current **Product**.



The screen allows the **From Legend** and **To Legend** options to be specified for the range to **Move**.

The **Insert Before Legend** option is used for the insertion point for the copied data to be placed.

If a **Legend** is selected this **Legend Number** is automatically added as the insertion point.

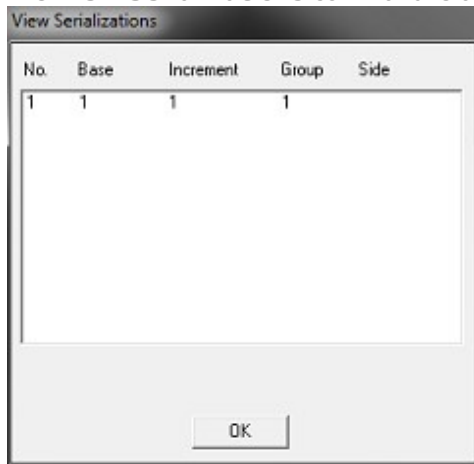
The **Maximum Legends** text will display the maximum values that are allowed.

See the [Mouse Operation](#) topic for information on how to select **Legends**.

## View Serializations

---

The **View Serializations** command is available when a Legend is selected that has **Serialization** data.

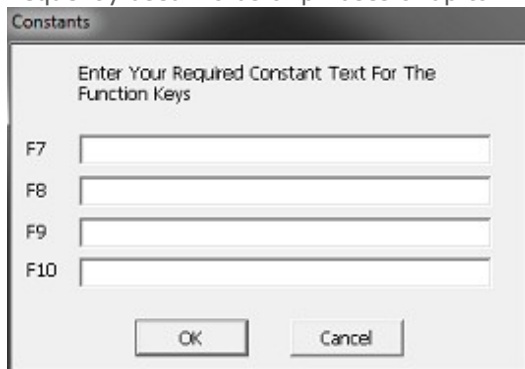


For more information please read the [Serializations](#) topic.

## Constants

---

The **Constants** screen is available to set the **F7, F8, F9 & F10** constant keys that can be used to insert frequently used words or phrases of up to 77 characters long.



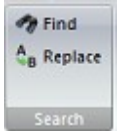
The image shows a dialog box titled "Constants". Inside the dialog, there is a text prompt: "Enter Your Required Constant Text For The Function Keys". Below this prompt, there are four input fields, each preceded by a function key label: "F7", "F8", "F9", and "F10". At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

If data is configured for the buttons this data will be shown on the [Data Entry Keypad Tab](#) when editing Legends.

# Search Panel

---

The **Search Panel** is used to display commands relating to Data.



**The following ribbon controls are available:**

[Find](#)

[Replace](#)

**NOTE:** Any of the control in the **Search Panel** can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.

# Find

---

The **Find** option allows data within a **Product** to be searched for.



The screenshot shows a dialog box titled "Find". It contains the following elements:

- "From Legend" with a text input field containing the number "1".
- "To Legend" with a text input field containing the number "3".
- "Maximum Legends=3" displayed below the legend range inputs.
- "Find/What" with a text input field that is currently empty.
- A checkbox labeled "Match Case" which is currently unchecked.
- Two buttons at the bottom: "Find" and "Cancel".

The **CTRL + F** keys on a keyboard can also implement this feature

The screen displays the **From Legend** and **To Legend** options which are used to specify which range to search within.

The **Maximum Legends** text will display the maximum values that are allowed.

The **Find What** section is used to enter the data to search for.

The **Match Case** option makes the search only find data that matches the upper and lower case characters in the **Find What** section.

When data is found the [Find Results](#) screen is shown.

# Find Results

---

The **Find Results** screen will show any data found from the [Find](#) command.



The **Find Next** button will search for the next **Legend**.

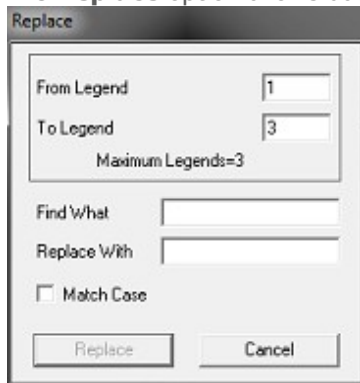
The **New Search** button will return to the [Find](#) screen to allow a new value to be entered.

If no data or no more data is found a **Warning** screen is shown.

# Replace

---

The **Replace** option allows data within a **Product** to be searched for and replaced with new data.



The screenshot shows a dialog box titled "Replace". It has a "From Legend" spinner set to 1 and a "To Legend" spinner set to 3. Below these is the text "Maximum Legends=3". There are two empty text boxes labeled "Find What" and "Replace With". A checkbox labeled "Match Case" is unchecked. At the bottom are "Replace" and "Cancel" buttons.

The **CTRL + H** keys on a keyboard can also implement this feature

The screen displays the **From Legend** and **To Legend** options which are used to specify which range to search within.

The **Maximum Legends** text will display the maximum values that are allowed.

The **Find What** section is used to enter the data to search for.

The **Replace With** section is used to enter the replacement data.

The **Match Case** option makes the search only find data that matches the upper and lower case characters in the **Find What** section.

When data is found the [Replace Results](#) screen is shown.

**NOTE:** This function is not supported for **Auto Length Products** and is disabled if a product using this option is selected.

# Replace Results

---

The **Replace Results** screen will show any data found from the [Replace](#) command.

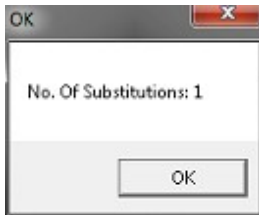


The **Replace** button will replace the current **Legend** data.

The **Replace All** button will replace all data matching the **Find What** with the **Replace With** data..

If no data or no more data is found a **Warning** screen is shown.

When the replacement process is completed a screen is displayed showing the **No. Of Substitutions** made.

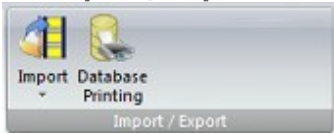




# Import / Export Panel

---

The **Import / Export Panel** is used to display commands relating to Data.



**The following ribbon controls are available:**

[Import](#)

[Database Printing](#)

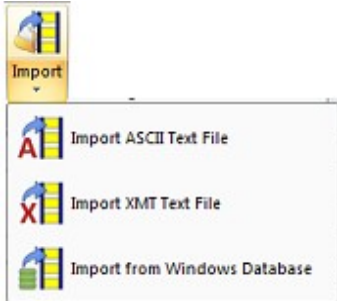
**NOTE:** Any of the control in the **Import / Export Panel** can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.

# Import

---

The **Import** button has several functions:



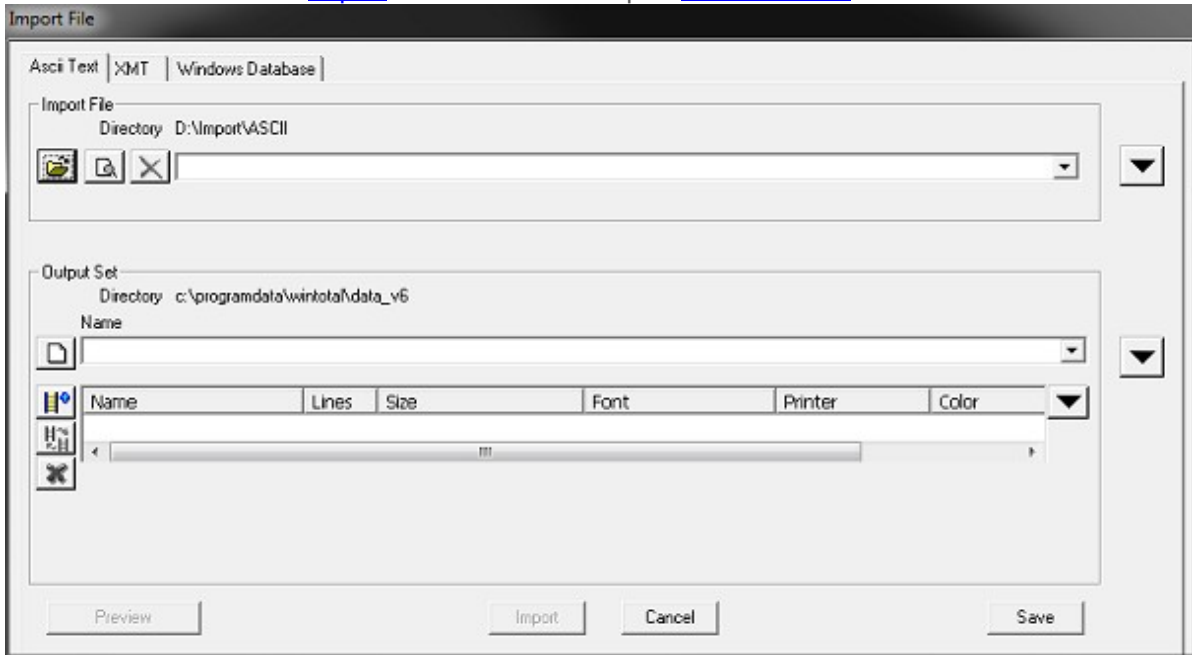
1. Pressing the **Import** button will open the [Ascii Text](#) tab of the **Import** screen.
2. Pressing the **Arrow** will open a sub menu with the following commands:
  - **Import ASCII Text File** will open the [Ascii Text](#) tab of the **Import** screen.
  - **Import XMT Text File** will open the [XMT](#) tab of the **Import** screen.
  - **Import from Windows Database** will open the [Windows Database](#) tab of the **Import** screen.

For more information on the file formats see the [Getting Data From External Sources](#) topic.

# Ascii Text

---

The **Ascii Text** tab in the [Import](#) screen is used to import [Ascii Text Files](#).



## Screen Options

---

### Import File Section

---

This section is used to configure the **Import File** and options applied to the file when importing. Files in the currently selected directory will be available for selection in the drop down box. The selected file is the file to be imported.



#### **Browse**

This is used to select the directory and file to import. The default directory to be used can be specified using the **Import Files Directory** option in the [Directories](#) tab of the [System Setup](#) screen.




#### **View File**

This will display the content of the selected **Import File**. This will only let users see the contents of the file, not edit it. Use notepad or a similar text editor to change the input file.



#### **Delete File**

This will delete the selected **Import File**. Use caution because there is no recycle bin or un-delete command

The **Options** button  will show and hide the **Import File Options**.

---

#### **ANSI Format**

This allows **ANSI** files to be used.

#### **Skip First Line**

This option does not **Import** the first line of the file. This is useful if the file contains header information not required to [Print](#).

#### **Import Order: Down-Across**

Scored markers are read by default from left to right one line at a time or one score at a time from top to bottom. This option changes this to left top to bottom then right top to bottom. See the [Data Entry Order](#) topic for more information.

#### **One Field Per Line**

A **Legend** with more than one field (multiple lines or scores) can be separated on different lines using this option. It may be necessary to also use the **Field Separator** depending on the file type.

#### **Ignore Line Breaks**

This option ignores all delimiters and line breaks and imports the file as a single list.

#### **Field Separator**

This allows selection of standard **Field Separator** which identify different fields in the **Import File**. **Comma**, **Tab** and **Semicolon** are available for selection. There is also an option to select a custom field separator by selecting **User Defined** and typing in the required separator.

#### **Quantity Field No.**

This option specifies which field in the input file is used for specifying the number for the **Qty** field in the [Add Data](#) screen.

#### **Physical Lines Per Logical**

This allows the user to create a **Product** with for example 3 lines but only **Import** data on the first 2, leaving the last line empty for editing.

## Output Set Section

---

The section is used to configure the **Output Set**.

---



### **New Set**

This button will open the [New Set](#) screen.



### **Add Product**

This button will open the [Add Product](#) screen.



### **Change Product**

This button will open the [Change Product](#) screen if a product is selected.



### **Delete Product**

This button will delete the [Selected Product](#).



The **Options** button will show and hide the **Output Set Options**.

---

### **Append Data**

This option is only available if a marker is selected in a **Set** prior to importing into it. See the [Mouse Operation](#) topic for how to select a marker.

If selected then the new data will be added to the existing data at the end of the current data.

### **Insert Data**

This option is only available if a marker is selected in a **Set** prior to importing into it. See the [Mouse Operation](#) topic for how to select a marker.

If selected then the new import data will be inserted to the existing product data before the selected marker data.

### **Open Set After Import**

This option automatically opens the **Output Set** after the import is completed.

This option is not available if the **Cancel To Exit Import Screen** option is enabled [Options](#) tab of the [System Setup](#) screen.

### **Import to Default Data Directory**

This option changes the directory to import to from the current to the directory in the **Data Directory** option in the [Directories](#) tab of the [System Setup](#) screen. The destination directory is shown in the **Directory** field.

## General Options

---

### **Preview**

When enabled this option will open the **Preview** screen. This is useful to check the settings used and the data file prior to actually importing it.

### **Import**

This will import the **Import File** to the **Output Set**.

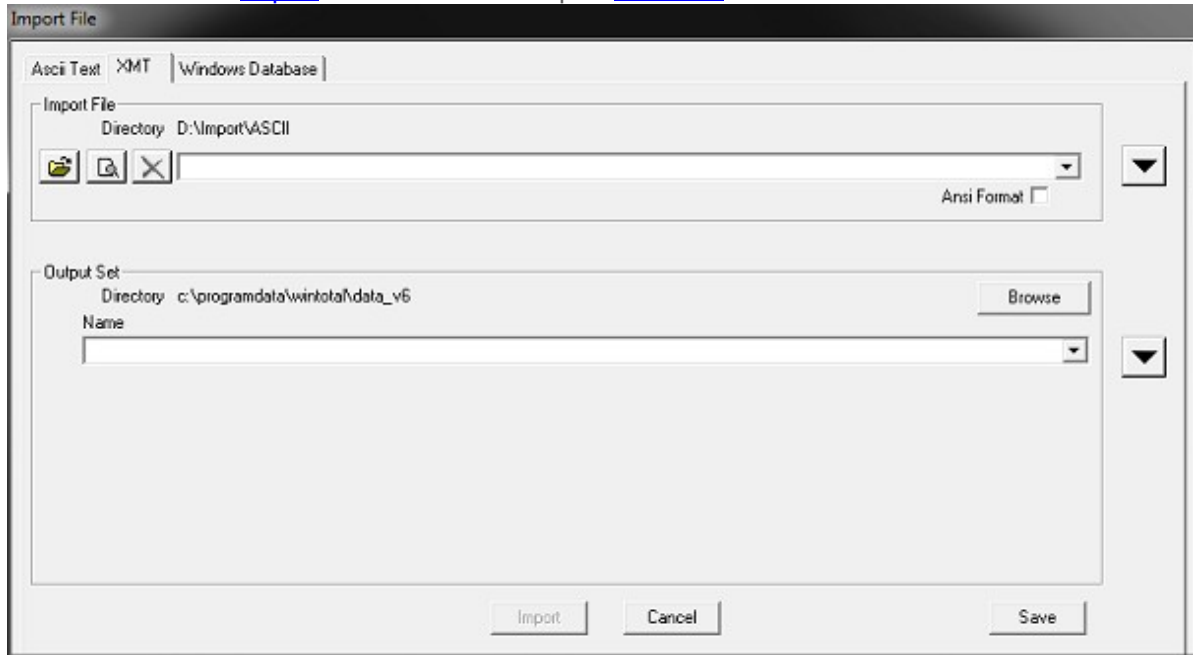
### **Save**

This option will save the settings used in the currently selected tab.

# XMT

---

The **XMT** tab in the [Import](#) screen is used to import [XMT Files](#).



**Note:** XMT files are fully specified input files. They contain **Set Name, Set Description, Product, Font, Data** and **Qty**. This allows the user to **Import** the correct data without mistakes.

Files in the currently selected directory will be available for selection in the drop down box. The selected file is the file to be imported. section had settings to override the XMT files. Only use these options if the XMT file is not in the correct format. All options are disabled as default.

For more information please read the [XMT Files](#) topic.

## Screen Options

---

### Import File Section

---

This section is used to configure the **Import File** and options applied to the file when importing. Files in the currently selected directory will be available for selection in the drop down box. The selected file is the file to be imported.



#### **Browse**

This is used to select the directory and file to import. The default directory to be used can be specified using the **Import Files Directory** option in the [Directories](#) tab of the [System Setup](#) screen.




#### **View File**

This will display the content of the selected **Import File** . This will only let users see the contents of the file, not edit it. Use notepad or a similar text editor to change the input file.



#### **Delete File**

This will delete the selected **Import File** . Use caution because there is no recycle bin or un-delete command

The **Options** button  will show and hide the **Import File Options**.

---

**ANSI Format**

This allows **ANSI** files to be used.

**Import Order: Down-Across**

Scored markers are read by default from left to right one line at a time or one score at a time from top to bottom. This option changes this to left top to bottom then right top to bottom. See the [Data Entry Order](#) topic for more information.

**Horizontal Align**

This option allows the text to be horizontally aligned to **Left, Center** or **Right**.

**Vertical Align**

This option allows the text to be vertically aligned to **Top, Center** or **Bottom**.



## Output Set Section


---

The section is used to configure the Output Set.

---

The **Set Name** is automatically created from the name of the XMT file.

The **Browse** button allows the **Output Set Directory** to be changed.

The **Options** button  will show and hide the **Output Set Options**.

---

### **Append Data**

This option is only available if a marker is selected in a **Set** prior to importing into it. See the [Mouse Operation](#) topic for how to select a marker.

If selected then the new data will be added to the existing data at the end of the current data.

### **Insert Data**

This option is only available if a marker is selected in a **Set** prior to importing into it. See the [Mouse Operation](#) topic for how to select a marker.

If selected then the new import data will be inserted to the existing product data before the selected marker data.

### **Open Set After Import**

This option automatically opens the **Output Set** after the import is completed.

This option is not available if the **Cancel To Exit Import Screen** option is enabled [Options](#) tab of the [System Setup](#) screen.

### **Import to Default Data Directory**

This option changes the directory to import to from the current to the directory in the **Data Directory** option in the [Directories](#) tab of the [System Setup](#) screen. The destination directory is shown in the **Directory** field.

## General Options

---

### Import

This will import the **Import File** to the **Output Set**.

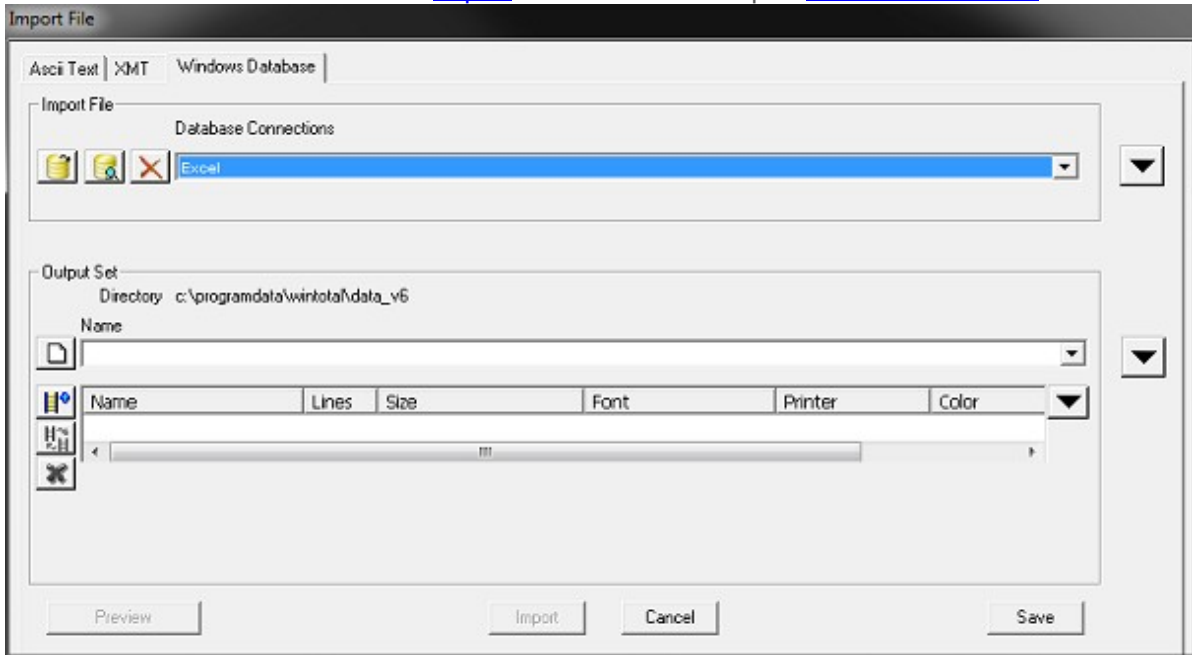
### Save

This option will save the settings used in the currently selected tab.

# Windows Database

---

The **Windows Database** tab in the [Import](#) screen is used to import [Windows Databases](#).



For more information please read the [Windows Databases](#) topic.

## Screen Options

---

### Import File Section

---

This section is used to configure the **Import File Database Connection**.

**Windows Database** connections are available for use in the **Database Connection** list box. The selected **Database Connection** is the connection used to import.

---



#### **New Connection**

This button can be used to open the [Database Connection Setup](#) wizard to create a new connection.




#### **Edit Connection**

This button can be used to open the [Database Connection Setup](#) wizard to edit the currently selected **Database Connection**.



#### **Delete Connection**

This button will remove the selected **Database Connection**. Use caution because there is no recycle bin or un-delete command.

The **Options** button  will show and hide the **Import File Options**.

---

#### **ANSI Format**

This allows **ANSI** files to be used.

#### **Import Order: Down-Across**

Scored markers are read by default from left to right one line at a time or one score at a time from top to bottom. This option changes this to left top to bottom then right top to bottom. See the [Data Entry Order](#) topic for more information.

#### **Format Numeric Field**

This options allows numeric fields to be converted to a specified number of decimal places by enabling the **No of Decimals** option.

#### **No of Decimals**

This option specifies the number of decimal places to be used when **Format Numeric Field** is enabled.

#### **Show database Fields**

This options displays the available fields in a list box. This is a reference field only to be used to see which fields are in the **Database Connection**.

#### **Quantity Field No.**

This option specifies which field in the input file is used for specifying the number for the **Qty** field in the [Add Data](#) screen.

#### **Records Per Marker**

This option allows the number of records in the database that equal one marker in WinTotal to be specified.

#### **Import into product**

This allows the user to select another **Product** than the one in the XMT file. When enabled this will show the **User Defined Layout** option.

#### **User Defined Layout**

This allows the user to select a **Product** from the [User Defined Layouts](#).

## Output Set Section

---

The section is used to configure the Output Set.

---



### **New Set**

This button will open the [New Set](#) screen.



### **Add Product**

This button will open the [Add Product](#) screen.



### **Change Product**

This button will open the [Change Product](#) screen if a product is selected.



### **Delete Product**

This button will delete the [Selected Product](#).



The **Options** button will show and hide the **Output Set Options**.

---

### **Append Data**

This option is only available if a marker is selected in a **Set** prior to importing into it. See the [Mouse Operation](#) topic for how to select a marker. If selected then the new data will be added to the existing data at the end of the current data.

### **Insert Data**

This option is only available if a marker is selected in a **Set** prior to importing into it. See the [Mouse Operation](#) topic for how to select a marker. If selected then the new import data will be inserted to the existing product data before the selected marker data.

### **Open Set After Import**

This option automatically opens the **Output Set** after the import is completed. This option is not available if the **Cancel To Exit Import Screen** option is enabled [Options](#) tab of the [System Setup](#) screen.

### **Import to Default Data Directory**

This option changes the directory to import to from the current to the directory in the **Data Directory** option in the [Directories](#) tab of the [System Setup](#) screen. The destination directory is shown in the **Directory** field.

## General Options

---

### **Preview**

When enabled this option will open the **Preview** screen. This is useful to check the settings used and the data file prior to actually importing it.

### **Import**

This will import the **Import File** to the **Output Set**.

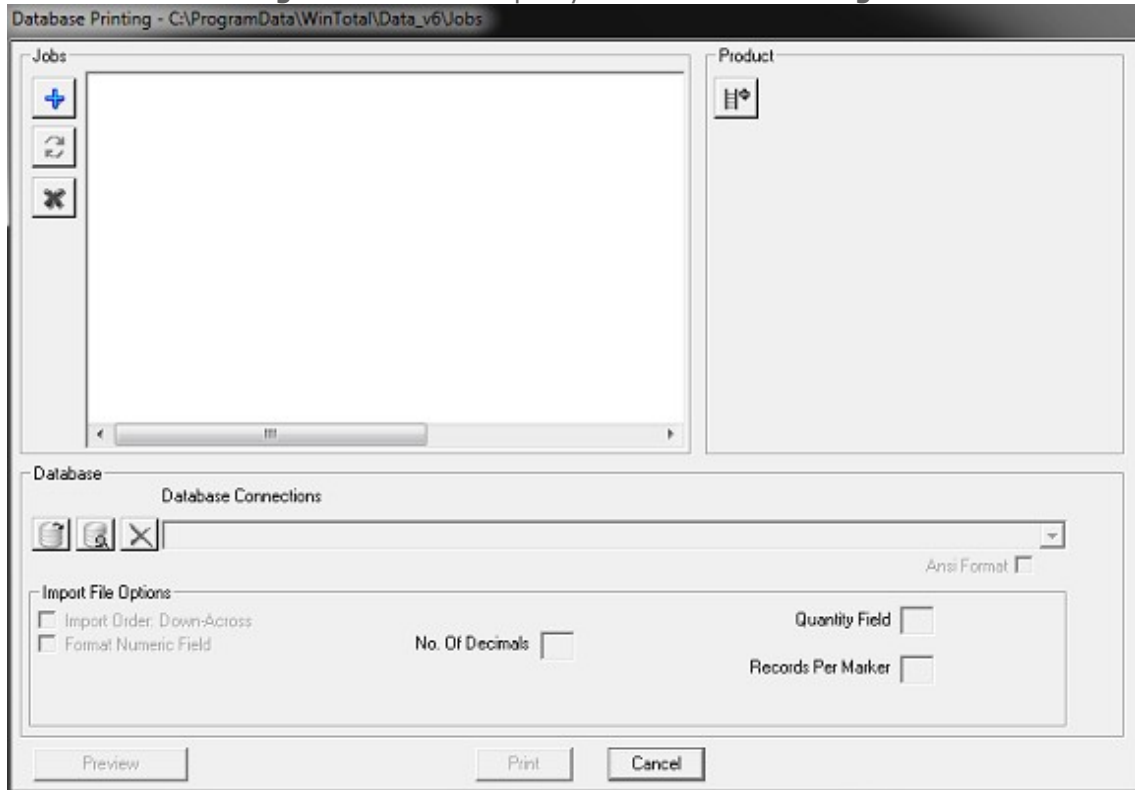
### **Save**

This option will save the settings used in the currently selected tab.

# Database Printing

---

The **Database Printing** screen is used to specify the **Database Printing** screen.



This screen is used to **Print** data from a **Windows Database** without importing the data. To Import and save the data please use the Import option.

For more information on **Windows Database** file formats see the [Getting Data From External Sources](#) topic.

## Screen Options

---

### Jobs Section

---

**Database Printing** creates **Job** files which are used to store a **Database Connection** with a **Product**. This file is saved and can be selected and printed, without the data being imported and saved.

These files are saved in the location specified in the **Database Printing Directory** option in the [Directories](#) tab of the [System Setup](#) screen.



#### Add

This will open the [Name](#) screen where the **Job** file can be given a **Name**.



#### Rename

This will open the [Name](#) screen where the **Job** file can be given a new **Name**.



#### Delete

This will delete a selected **Job** file. Use caution because there is no recycle bin or un-delete command.

## Product Section

---

The **Add Product** button  will open the [Add Product](#) screen allowing a **Product** to be selected.

Once selected the button changes to a [Change Product](#)  button allowing the **Product** to be changed if required.

The **Product** information is then displayed. The information available is the same as displayed in the [Selected Product](#) list box in the main screen and can be configured via the [View](#) tab in the [System Setup](#) screen.

## Database Section

---

This section is used to configure the **Database**.

**Windows Database** connections are available for use in the **Database Connection** list box. The selected **Database Connection** is the connection used to print.

---



### **New Connection**

This button can be used to open the [Database Connection Setup](#) wizard to create a new connection.



### **Edit Connection**

This button can be used to open the [Database Connection Setup](#) wizard to edit the currently selected **Database Connection**.



### **Delete Connection**

This button will remove the selected **Database Connection**. Use caution because there is no recycle bin or un-delete command.

### **ANSI Format**

This allows **ANSI** files to be used.

### **Import Order: Down-Across**

Scored markers are read by default from left to right one line at a time or one score at a time from top to bottom. This option changes this to left top to bottom then right top to bottom. See the [Data Entry Order](#) topic for more information.

### **Format Numeric Field**

This options allows numeric fields to be converted to a specified number of decimal places by enabling the **No of Decimals** option.

### **No of Decimals**

This option specifies the number of decimal places to be used when **Format Numeric Field** is enabled.

### **Show database Fields**

This options displays the available fields in a list box. This is a reference field only to be used to see which fields are in the **Database Connection**.

### **Quantity Field No.**

This option specifies which field in the input file is used for specifying the number for the **Qty** field in the [Add Data](#) screen.

### **Records Per Marker**



This option allows the number of records in the database that equal one marker in WinTotal to be specified.

## General Options

---

### **Preview**

When enabled this option will open the **Preview** screen. This is useful to check the settings used and the data file prior to actually importing it.

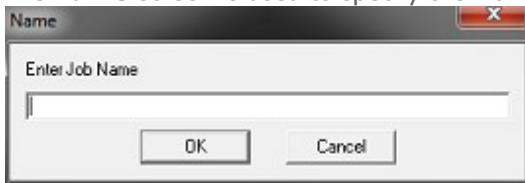
### **Import**

This will import the **Import File** to the **Output Set**.

# Name

---

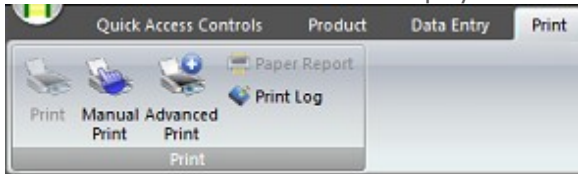
The **Name** screen is used to specify the **Name** for the [Database Printing Job](#) file.



# Print Tab

---

The **Print Tab** is the tab used to display commands relating to Printing.



The following ribbon panels are available:

[Print Panel](#)

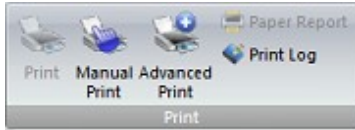
**NOTE:** Any of the Panels in the **Print Tab** area can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.

# Print Panel

---

The **Print Panel** is used to display commands relating to Printing.



The following ribbon controls are available:

[Print](#)

[Manual Print](#)

[Advanced Print](#)

[Paper Report](#)

[Print Log](#)

**NOTE:** Any of the control in the **Print Panel** can be added to the [Quick Access Toolbar](#) for quick access.

Please read the [Screen Overview](#) topic for more information.

# Print

The **Print** screen is used to **Print** a [Selected Product](#).

The printer being used is shown in the header of this screen.

All values used in this screen will be saved with the [Selected Product](#) in the [Selected Set](#). They will be remembered for future use.

To reset the values to default the [Change Product](#) option in the [Product Panel](#) of the [Product Tab](#).

The screenshot shows a software dialog box titled "Print - TE3124". At the top, it displays "SCE 3/8-2.00 YELLOW" and "Approved Ribbon(s)" with a list of ribbon types: "TMS-RJS-RIBBON-4RPSCE / T300-RIBBON-WH / TMS-RJS-RIBBON-4AG".

The dialog is divided into several sections:

- Positioning:** Includes input fields for "Top Margin" (0.0 mm) and "Left Margin" (0.0 mm).
- Legend Selection:** Features radio buttons for "All", "Selected", and "Range". It includes "From" and "To" fields for legend numbers (1 and 10) and a "Marker" field (1). A note states "Maximum Legends = 10".
- Port:** A dropdown menu showing "USB001".
- Number Of Copies:** An input field set to "1".
- Colate:** A checkbox that is unchecked.
- Options:** Contains several settings:
  - Speed: 75 mm/sec
  - Density: 10
  - Print Mode: Printer Default
  - Sensor: Printer Default
  - Leading Zeros: checked
  - Mirror Print: unchecked
  - Reverse Line Order: unchecked
  - Reverse Print Order: unchecked
  - Rotate 180°: unchecked
  - Stop After First Marker Is Printed: checked
  - Print Back Side: unchecked

At the bottom, there are three buttons: "Print Preview", "Print", and "Cancel". To the right of the "Colate" checkbox is a small graphic showing three vertical bars with numbers 1, 2, and 3, representing legend markers.

The **CTRL + P** keys on a keyboard can also implement this feature

The top part of the screen shows the current product to be printed and the recommended **Approved Ribbon(s)** for the selected **Printer** and **Product** combination.

## Screen Options

---

### Positioning Section

---

This section allows the positioning of the data to be adjusted at Print time.

If the required adjustment has no effect then it may be required to make adjustments on the printer itself.

Contact TE Connectivity or your reseller for information

The following options are available:

#### **Top Margin**

This allows the position of all data on the **Legend** to be moved up and down.

Increasing this value will move the data down and decreasing it will move the data up.

Negative values can be used on some printers.

#### **Left Margin**

This allows the position of all data on the **Legend** to be moved left and right.

The default value will vary depending on the **Printer** and **Product** combination.

Increasing this value will move the data to the right and decreasing it will move the data to the left.

Negative values can be used on some printers.

#### **Back Side Top Margin**

This is only available for the **T6112DS** printer.

This allows the position of all data on the **Legend** to be moved up and down on the bottom head.

Increasing this value will move the data down and decreasing it will move the data up.

Negative values can be used.

#### **Line Spacing**

This option is only available when a **Product** with more than 1 **Line** is created. This allows the user to increase or decrease the vertical space between the **Lines**.

If a figure too large is entered a warning message will appear.

## Legend Selection Section

---

This section determines which **Legends** are to be printed.

The following options are available:

### **All**

This is the default option when printing. When selected, **All Legends** in the current **Product** will be printed.

### **Selected**

This is only available if **Legends** are selected. ( See the [Mouse Operation](#) topic on how to select **Legends**)

When selected only the selected **Legends** will be printed.

### **Range**

This allows a group of **Legends** to be printed.

When enabled the following options are available:

#### **Legend**

This allows the user to specify a **From** and **To Legend** number **Range**.

#### **Marker**

This allows the user to select an individual marker position from within the **Legend Range**.

#### **Start Column**

This option is available for **Products** that have more than 1 column of **Product** per row. This is the **Start Column** that is used to **Print** the 1st **Legend**.

### **Port**

This section lists the available **Printer** ports. The default selection is based upon the values in the [Printers](#) tab of the [System Setup](#) screen but can be changed if required. If the required one is not visible please refer to the [Printer Support](#) topic.

## **Number Of Copies Section**

This section contains the copy options:

### **Number Of Copies**


This option allows the **Number of Copies** to be entered. This is the number of times the **Legends** are printed based upon the **Legend Selection** options.

### **Collate**

This option determines the order that the **Number of Copies** will be printed.

See [Collate Example](#) topic for more information.



The **Options** button  will show and hide the **Print Options**.

**Speed**

This option is available to configure the **Speed** that the printer runs. The values available are dependent on the current printer and the **Units** value set in the [Options](#) tab of the [System Setup](#) screen.

Printer Model	Speed Range mm/sec	Speed Range inch/sec
CAB A4+300	75 - 250	3 - 10
T200 Ident	30 - 125	1.2 - 5
T200 Label	50 - 125	2 - 5
T2000CT	30 - 125	1.2 - 5
T208M	37 - 83	1.5 - 3.5
T212M	25 - 50	1 - 2
T312M	50 - 200	2 - 8
T312Mi	50 - 200	2 - 8
T6112DS	30 - 125	1.2 - 5
TE3112	30 - 125	1.2 - 5
TE3124	30 - 100	1.2 - 4
Zebra 170Xi	50 - 200	2 - 8

**Density**

This option configures the darkness of the **Print**. Increasing this value will increase the darkness. Lowering this value will reduce the darkness. The default values are configured depending on the selected **Product** and **Printer** combination. Only adjust these values if the quality is not acceptable.

Printer Model	Density Range
CAB A4+300	-10 to +10
T200 Ident	-10 to +10
T200 Label	-10 to +10
T2000CT	-10 to +10
T208M	0 to 15
T212M	0 to 15
T312M	0 to 30
T312Mi	0 to 30
T6112DS	-10 to +10
TE3112	-10 to +10
TE3124	-10 to +10
Zebra 170Xi	0 to 30

**Note: Printer Default** settings will use the **Density** configured in the **Printer**.

### **Printer Mode**

This option is available for Compatible Printers and is used to configure what type of **Print Mode** the printer will run in.

<b>Printer Model</b>	<b>Printer Mode</b>
<b>CAB A4+300</b> <b>T200 Ident</b> <b>T2000CT</b> <b>T6112DS</b> <b>TE3112</b> <b>TE3124</b>	Tear Off Peel Off Backfeed
<b>T312M</b> <b>T312Mi</b> <b>Zebra 170Xi</b>	Rewind Tear Off Peel Off Cutter

**Note:** that if the value **Printer Default** is selected then the **Print Mode** configured in the **Printer** will be used.

#### **Tear Off**

This mode will setup the printer into **Tear Off** mode. This mode enables **Legends** to be printed then feeds the last one out of the printer allowing it to be removed. When the next **Print** job is sent the **Printer** feeds the **Product** back into the **Printer**. This mode is **NOT** recommended for **Sleeve Family Products** as the back and forward motion of the **Printer** could cause the **Product** to jam in the **Printer**.

#### **Peel Off**

This mode will setup the printer into **Peel Off** mode. This mode enables with the use of an optional sensor to detect when a **Legend** is removed from the **Printer**. Once removed the next **Legend** will be printed and the **Printer** will then wait for the removal of this **Legend** and the process will then continue.

#### **Backfeed**

This mode will setup the **Printer** into **Backfeed** mode. This mode enables **Legends** to be printed keeping the **Print** head in the correct position to **Print** the next **Legend**. To remove the legend from the **Printer** the feed button on the **Printer** control panel must be used. The models that use this command as default are set to this mode so the option **Printer Default** is normally used.

#### **Rewind**

This mode will setup the printer into **Rewind** mode. This mode enables legends to be printed keeping the **Print** head in the correct position to **Print** the next **Legend**. To remove the **Legend** from the **Printer** the **Feed** button on the **Printer** control panel must be used. This mode is recommended for **Sleeve Family Products** as it eliminates the back and forward motion of the **Printer** which could cause the **Product** to jam in the **Printer**.

#### **Cutter**

This mode will setup the **Printer** into **Cutter** mode. This mode enables a **Cutter** fitted to the front of a **Printer** to be used.

### **Sensor**

This option can be used to switch the **Sensor** type being used by the printer. The recommended sensor type is automatically selected based on the **Product** but if required it can be overridden.

<b>Printer Model</b>	<b>Printer Mode</b>
<b>CAB A4+300</b> <b>T200 Ident</b> <b>T2000CT</b> <b>T6112DS</b> <b>TE3112</b> <b>TE3124</b>	Gap Reflective Bottom (Mark)
<b>T200 Label</b>	Gap Reflective Bottom (Mark)
<b>T208M</b> <b>T212M</b>	Gap Reflective Bottom (Mark)
<b>T312M</b> <b>T312Mi</b> <b>Zebra 170Xi</b>	Gap Reflective Bottom (Mark)

**Note:** that if the value **Printer Default** is selected then the **Sensor** type configured in the **Printer** will be used.

### **Leading Zeros**

This refers to how [Serializations](#) will be printed.

The selection will Print a zero to the left of any number that does not fill the field.

See [Leading Zeros Example](#) topic for more information.

### **Mirror Print**

This option has two different functions depending on the **Product**.

1. Scored **Product** will mirror the data between the different scores. See [Mirror Score - Scored Product Example](#) topic for more information.
2. Non scored **Product** the forward slash ("/") can be used to indicating the separation of fields and the mirror point. See [Mirror Score - Non Scored Product Example](#) topic for more information.

### **Reverse Line Order**

This will **Print** multiple lined **Legends** with the **Lines** in reverse sequence.

See [Reverse Line Order Example](#) topic for more information.

### **Reverse Print Order**

This option reverses the order the **Legends** are printed.

### **Rotate 180°**

This option rotates the printing of the **Product** by 180° from its original orientation.

### **High Energy**

This option is only available on the **T312M** and **T312Mi** printers and compatible **Products** to give a higher energy value to the head giving improved mark performance.

### **Half Speed**

This option is only available on the **T312M** and **T312Mi** printers and compatible **Products** when **High Energy** is selected. It slows the printer down by half to help give even further improved mark performance.

### **Stop After First Marker Is Printed**

This option will set the default state for the **Stop After First Marker Is Printed** option in the [Print](#) and [Advanced Print](#) screens. When enabled the first marker is printed and then the [First Marker Printed](#) screen is displayed to allow the reprint of the first marker or to continue to print the rest of the markers. This option can be changed at **Print** time but the default state is controlled from the [Options](#) tab of the [System Setup](#) screen

**Note:** On the **T6112DS Printer** this process is not allowed to be changed.

### **Print Back Side**

This option has two different functions depending on the **Product**.

1. If a **Double Sided Product** is selected it will **Print** the data from the Back Side.
2. On a **Product** that is not **Double Sided** it will **Print** the **Front** data, but in a different way. This option varies by printer and can either reverse the **Print** order of the **Legends** or rotate the **Legends** 180° at **Print** time. This means the way the **Product** is loaded into the printer to **Print** the back side will vary between the 1st **Legend** or last **Legend**.

<b>Printer Model</b>	<b>Printer Order Reversed</b>	<b>Legend Rotated 180°</b>	<b>Load Legend Order When Printing Back Side</b>
<b>CAB A4+300 T200 Ident T2000CT T208M T212M TE3112 TE3124 Windows Printer</b>	Yes	No	Last Legend
<b>T200 Label</b>	No	No	Last Legend
<b>T312M T312Mi Zebra 170Xi</b>	No	Yes	1st Legend
<b>T6112DS</b>	Will only <b>Print</b> backside data as <b>Printer</b> is <b>Double Sided</b>		

**Note:** To change the back side printing options to be the same as the front side select the **Print Front Side As Back** option in the [Printers](#) tab of the [System Setup](#) screen for the required printer.

### **Print Both Sides**

This option is only available on the **T6112DS** printer. It enables both sides of a **Legend** to be printed at the same time.

### **Print Cut Line**

This option is only available if a **Continuous Family** or **Continuous Sleeve Product** is selected. It will allow a **Cut** Line to be **Printed** on the product.

### **Cutter Options**

This option is enabled for **Printers** which either are fitted with or have the option to have a cutter. This option will only be visible if the **Cutter** option is enabled for the **Printer** in the [Printers](#) tab of the [System Setup](#) screen.

When a compatible **Product** and **Printer** combination is available then the following cutter options are available:

#### **Never**

This option will not cut when the **Product** is printed.

#### **Every**

This option will cut after every **Legend** is printed.

#### **Batch**

This option will cut at the end of every **Print** batch.

#### **Perforate**

This will make the cutter change from cutting through the **Product** to only perforating it.

### **Print Preview**

This option will open the [Print Preview](#) screen where a preview of how legends will be printed is shown.

### **Print**

This option will begin the printing process. If the **Stop After First Marker Is Printed** option is enabled then the first legend row will be printed and the [First Marker Printed](#) screen will be displayed. If the **Stop After First Marker Is Printed** option is disabled or the printer is a **T6112DS** model then all the **Legends** for the **Product** will be printed.

### **Calibrate**

This option is available for some printers to calibrate it. See the [Printer Calibration](#) topic for more information

# First Marker Printed

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The **First Marker Printed** screen is displayed if the **Stop After First Marker Is Printed** option in the Print screen is enabled.



## Screen Options

### **Print First Marker Again**

This will allow the first marker ( or row of markers ) to be reprinted each time option is selected. This is useful to check if the data on the **Legend** is in the correct position and using the correct options before printing the remainder of the data.

### **Continue To Print The Rest**

This will **Print** from the 2nd row of **Legends** to the last **Legend**.

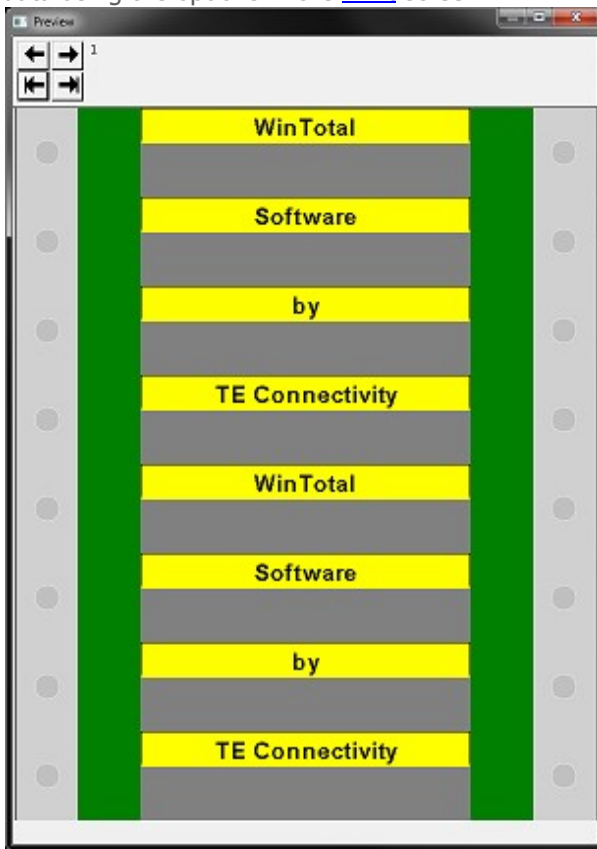
### **Cancel**

This will quit the screen and return to the [Print](#) screen. This option should be used if the values required to achieve the correct output needs to be changed or the printing aborted.

## Print Preview

---

The **Print Preview** screen accessed from the [Print](#) screen and allows the user to see a live preview of their data using the options in the [Print](#) screen.



The user can browse through the data using the buttons. It is also possible to resize this screen to allow for better zooming allowing more or less data to be viewed in one screen.

# Function Examples

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The topics below give some visual examples of some of the [Print](#) screen options

[Collate Example](#)

[Leading Zeros Example](#)

[Mirror Score - Scored Product Example](#)

[Mirror Score - Non Scored Product Example](#)

[Reverse Line Order Example](#)



# Collate Example

This example shows the **Collate Example** option used in the [Print](#) screen.

In this example the **Number of Copies** is 2.

**Source Data**

Legend				Qty
1		WinTotal		1
2		Software		1
3		by		1
4		TE Connectivity		1

**Collate ON**

Legend				Qty
1		WinTotal		1
2		WinTotal		1
3		Software		1
4		Software		1
5		by		1
6		by		1
7		TE Connectivity		1
8		TE Connectivity		1

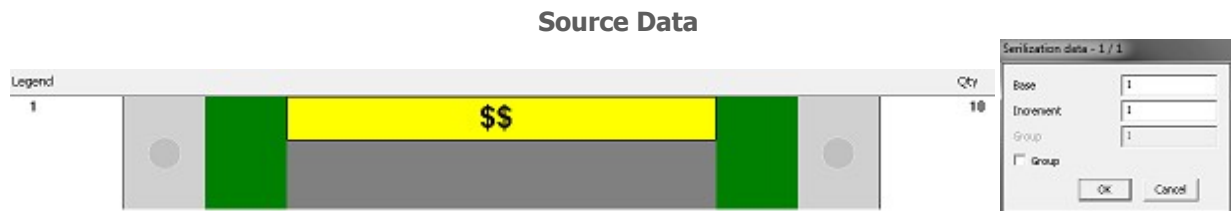
**Collate OFF**

Legend				Qty
1		WinTotal		1
2		Software		1
3		by		1
4		TE Connectivity		1
5		WinTotal		1
6		Software		1
7		by		1
8		TE Connectivity		1

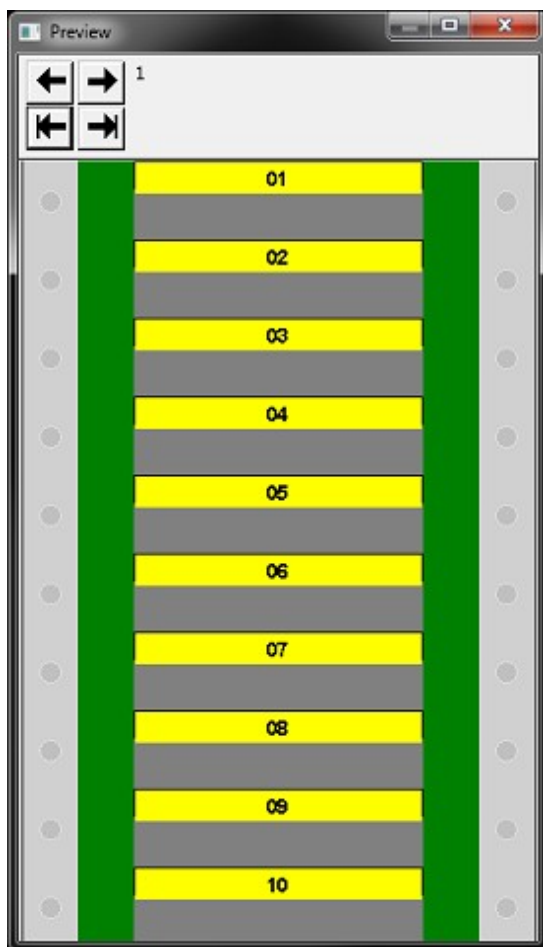
# Leading Zeros Example

This example shows the **Leading Zeros Example** option used in the [Print](#) screen.

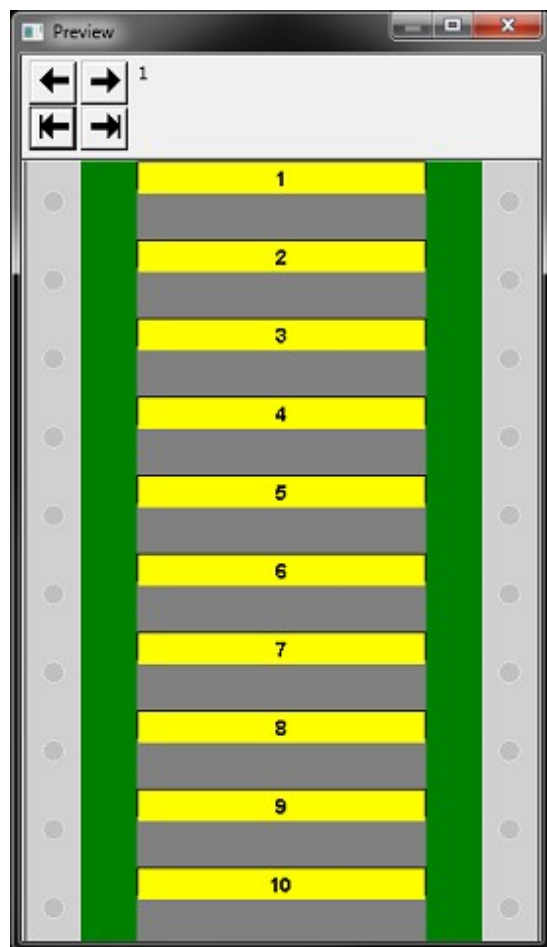
In this example the Serialization is configured as below.



**Leading Zeros ON**



**Leading Zeros OFF**



## Mirror Score - Scored Product Example

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This example shows a **Scored Product** using the **Mirror Score - Scored Product Example** option used in the [Print](#) screen.



# Mirror Score - Non Scored Product Example

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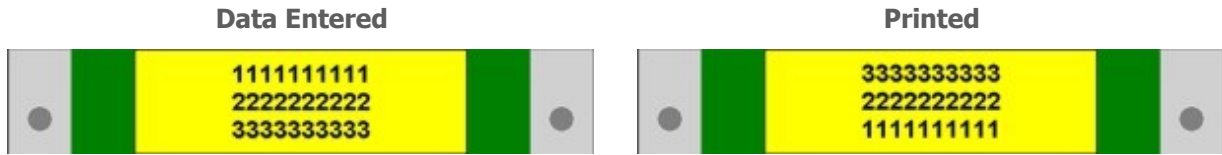
This example shows a **Non Scored Product** using the **Mirror Score - Non Scored Product Example** option used in the [Print](#) screen.



# Reverse Line Order Example

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This example shows the **Reverse Line Order Example** option used in the [Print](#) screen.



# Manual Print

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The **Manual Print** screen will open the [Add Product](#) screen.

This option is designed for creating **Legends** that **DO NOT REQUIRED SAVING**.

Once the **Product** has been selected the program will display the same functions as in the [Add Data](#) screen. There are some additional options:

## Screen Options

---

### **Clear Data**

This option deletes all data from within a **Product** leaving the user to enter new data at **Legend 1**

### **Change Product**

This option allows the user to change the specified **Product** to a different one using the [Change Product](#) screen.

### **Quit Data Entry**

This quits the data entry mode but not the **Manual Print** mode. This allows for editing and data manipulation to take place without loss of data

### **Quit Manual Print**

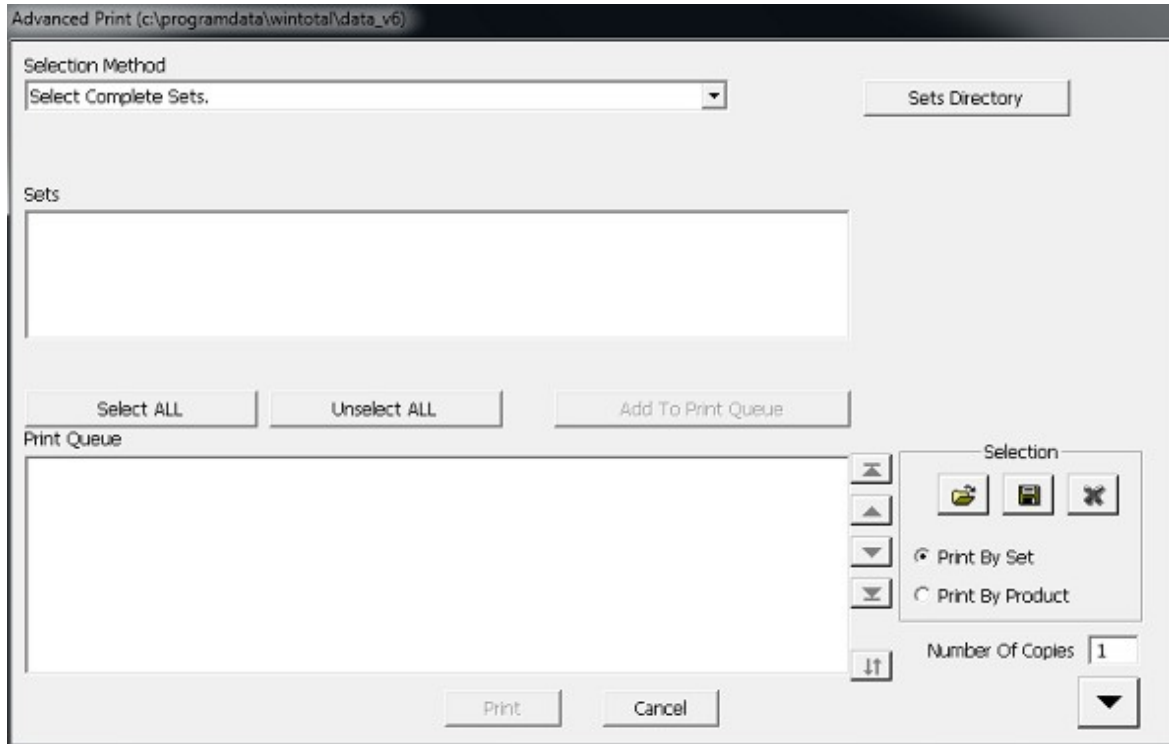
This quits the **Manual Print** mode. All existing **Manual Print** data will be lost after selecting confirmation in the warning message.

# Advanced Print

---

The **Advanced Print** screen is used simultaneous printing to several printers as well as batched printing from several different files to a single printer.

Correct **Printer** and **Product** configurations must be made in the [Printers](#) tab of the [System Setup](#) screen prior to using this screen.



## Screen Options

### Selection Method

There are three different methods of selecting both **Sets** and or **Product** to be printed.

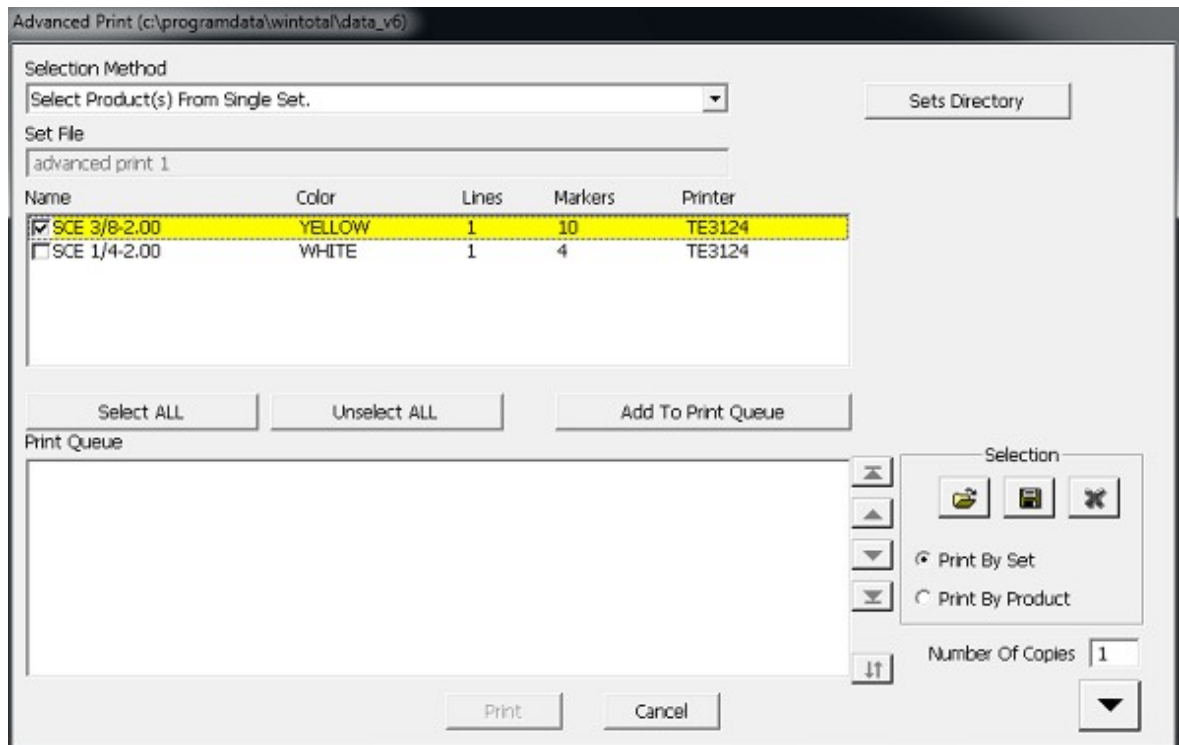
#### Select Product(s) From Single Set

This option will display all existing **Sets** in the current **Data Directory**.

The required **Set** can then be selected. A list of the **Products** in that **Set** will be listed.

One or more of the **Products** can be selected. To select a different **Set**, re-select this first **Print** mode.

If the **Set** to be printed isn't in the current **Directory**, select the **Sets Directory** button to change the **Directory**.

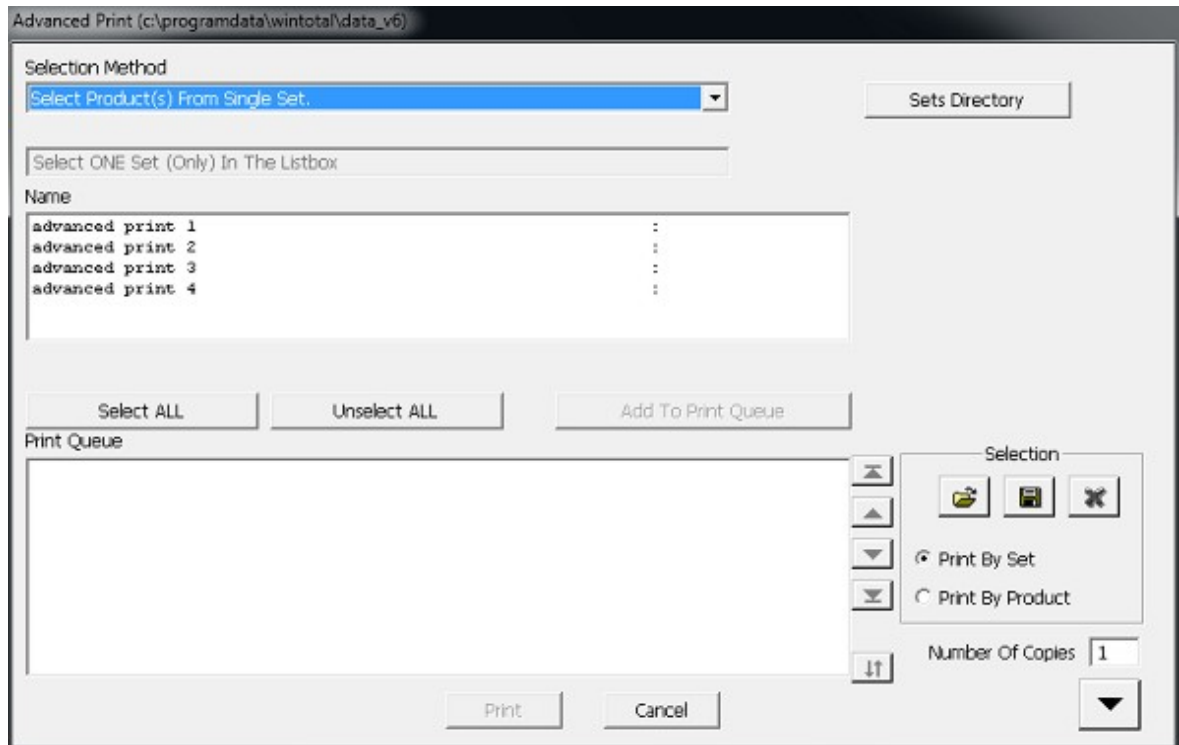




### Select Complete Sets

This option will display all existing **Sets** in the current **Data Directory**.

**Sets** can be selected (Highlighted) by using the mouse and either CTRL or SHIFT buttons to select multiple items. ALL **Products** in selected **Sets** will be printed.



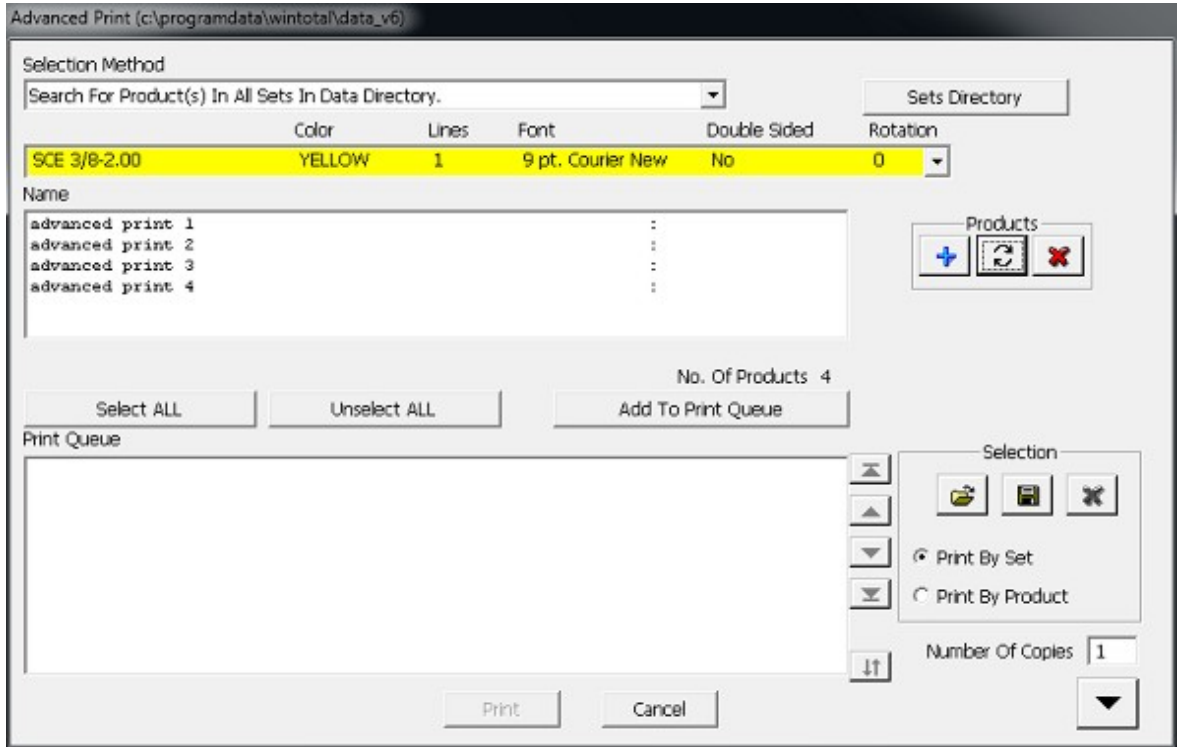
**Search For Product(s) In All Sets In Data Directory**

This option will display a screen similar to the [Add Product](#) screen. The **Product** combination to be searched for can then be created.

The **Font**, **Lines** and **Color** selections can be ignored by selecting the \*\*\*\*\* in the top of each item if required. Multiple **Products** can be added if required.

Only **Sets** containing one of the **Products** will be displayed.

**Sets** can be selected (Highlighted) by using the mouse and either CTRL or SHIFT buttons to select multiple items. Only selected **Products** within selected **Sets** will be printed.



### **Select ALL**

This will **Select ALL** items that have been searched for.

### **Unselect ALL**

This will **Unselect ALL** items that have been searched for.

### **Add To Print Queue**

This adds any selected (highlighted) items to the **Print Queue**.

### **Print Queue**

This is the queue of items that will be printed. It is also the order that the items will be printed in.

The **Print Queue** items can be reordered by using the following buttons:



**Move To Start** - this will move a single selected item to the beginning of the **Print Queue**.



**Move Up** - this will move a single selected item up 1 position in the **Print Queue**.



**Move Down** - this will move a single selected item down 1 position in the **Print Queue**.



**Move To End** - this will move a single selected item to the end of the **Print Queue**.

## **Selection Section**

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### **Load Last Saved Queue**

This option is used to recall the last **Print Queue**, if it was saved via the **Save Print Queue** button



### **Save Print Queue**

This option will save the selections placed in the **Print Queue** without printing them. The selections can easily be selected at a later time by pressing the **Load Last Saved Queue** button.



### **Delete**

This option allows the user to remove any selected items in the **Print Queue**.

### **Print By Set**

This option will Print the data as per the **Print Queue**. That is the first **Set** in the queue, with the first Product within that **Set**, then the second, third, etc. Then the second **Set** in the queue, first Product, and second Product and so on.

### **Print By Product**

This option will **Print** the data in the order by **Product**. That is the first **Set** in the queue, with the first **Product**, then any other **Sets** with the same **Product** (including **Color**). Then the second **Product** and all others with the second **Product** will be printed, and so on. This means that if one printer has many **Products** assigned to it then minimal loading and unloading of **Product** will occur




### **Reverse Queue Order**

This option reverses the order of the **Print Queue**.

### **Print**

Once the **Print Queue** contains the desired **Products**, press this button to begin the printing process.

The **Options** button  will show and hide the **Advanced Print Options**.

---

#### **Separator Legend Between Products**

This option will **Print** a complete row of markers filled with the \* character (Asterisks) between different **Products** and **Sets**. This can be a useful identifying marker for manually cutting batches of files when printed in one large **Print** run.

#### **Pause Between Products**

This option pauses the printing between **Products** within **Sets** and gives the user a prompt to load the **Product** and make sure they have the correct **Product** loaded

#### **Reverse Print Order**

This option reverses the order the **Legends** are printed.

#### **Print Back Side**

This option prints the back side of the **Legends**, see the **Print Back Side** section in the [Print](#) topic.

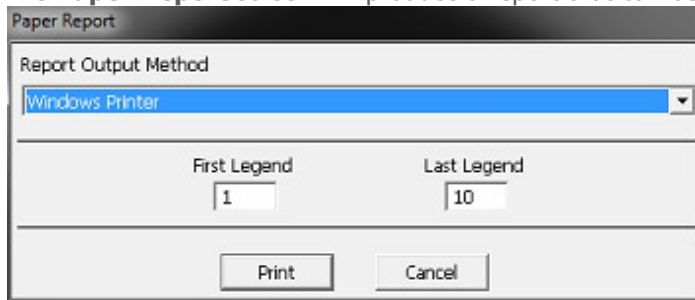
#### **Mirror Print**

This option will mirror either the text or scores. See the **Mirror Print** section in the [Print](#) topic.

# Paper Report

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The **Paper Report** screen will produce a report that can be printed to a **Windows Printer**.

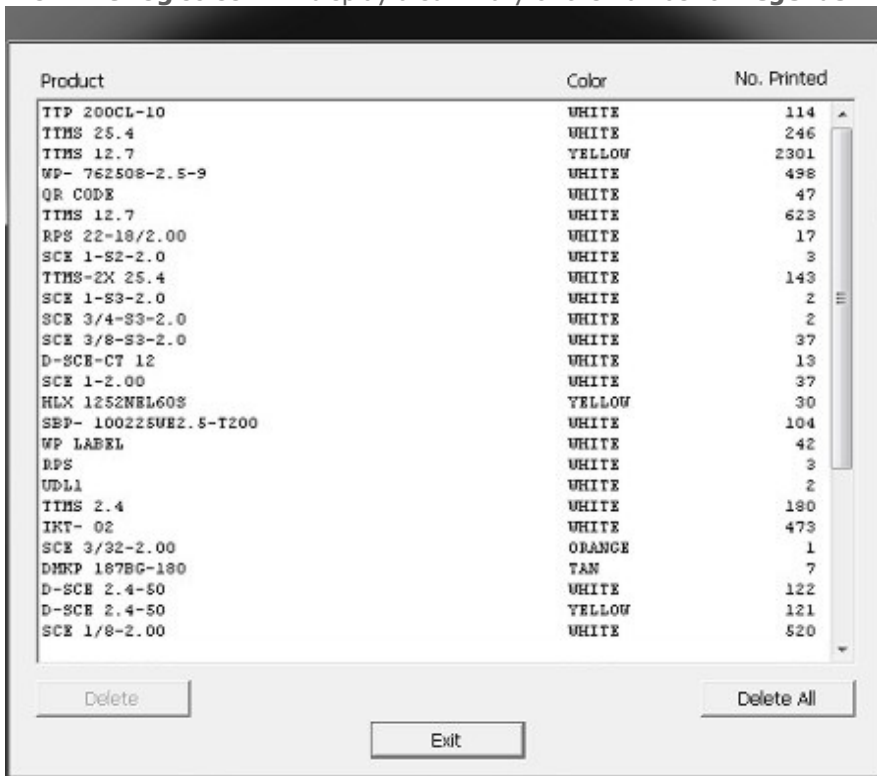


The screenshot shows a dialog box titled "Paper Report". It contains a "Report Output Method" dropdown menu with "Windows Printer" selected. Below this are two input fields: "First Legend" with the value "1" and "Last Legend" with the value "10". At the bottom of the dialog are two buttons: "Print" and "Cancel".

It will show the **Legend Data** for the current [Selected Product](#), not all **Product** listings in **Sets** with multiple **Products**.

# Print Log

The **Print Log** screen will display a summary of the number of **Legends Printed**.



Product	Color	No. Printed
TTP 200CL-10	WHITE	114
TIMS 25.4	WHITE	246
TIMS 12.7	YELLOW	2301
WP- 762508-2.5-9	WHITE	498
QR CODE	WHITE	47
TIMS 12.7	WHITE	623
RPS 22-18/2.00	WHITE	17
SCE 1-S2-2.0	WHITE	3
TIMS-2X 25.4	WHITE	143
SCE 1-S3-2.0	WHITE	2
SCE 3/4-S3-2.0	WHITE	2
SCE 3/8-S3-2.0	WHITE	37
D-SCE-CT 12	WHITE	13
SCE 1-2.00	WHITE	37
HLX 1252NBL608	YELLOW	30
SBP- 100225WE2.5-T200	WHITE	104
WP LABEL	WHITE	42
RPS	WHITE	3
UDL1	WHITE	2
TIMS 2.4	WHITE	180
IKT- 02	WHITE	473
SCE 3/32-2.00	ORANGE	1
DMKP 187BG-180	TAN	7
D-SCE 2.4-50	WHITE	122
D-SCE 2.4-50	YELLOW	121
SCE 1/8-2.00	WHITE	520

Buttons: Delete, Exit, Delete All

This option is only enabled if the **Log Printed Markers** option in the [Options](#) tab of the [System Setup](#) screen is enabled

Selecting any line within the log allows that record to be deleted.

# Data Entry Keypad Tab

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The **Data Entry Keypad Tab** is a tab that **Only** becomes visible when editing data via the [Add Data](#) or [Change Data](#) commands.



The following ribbon panels are available:

[Options Panel](#)

[Constants Panel](#)

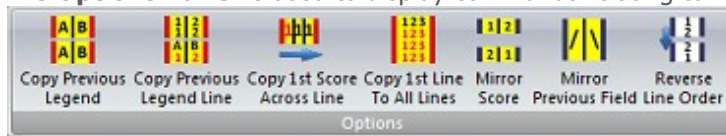
[Navigation Panel](#)

**NOTE:** These Panels cannot be added to the [Quick Access Toolbar](#) for quick access.

# Options Panel

---

The **Options Panel** is used to display commands relating to Products.



**The following ribbon controls are available:**

[Copy Previous Legend](#)

[Copy Previous Legend Line](#)

[Copy 1st Score Across Line](#)

[Copy 1st Line To All Lines](#)

[Mirror Score](#)

[Mirror Previous Field](#)

[Reverse Line Order](#)

**NOTE:** These Control cannot can be added to the [Quick Access Toolbar](#) for quick access.



# Copy Previous Legend

---

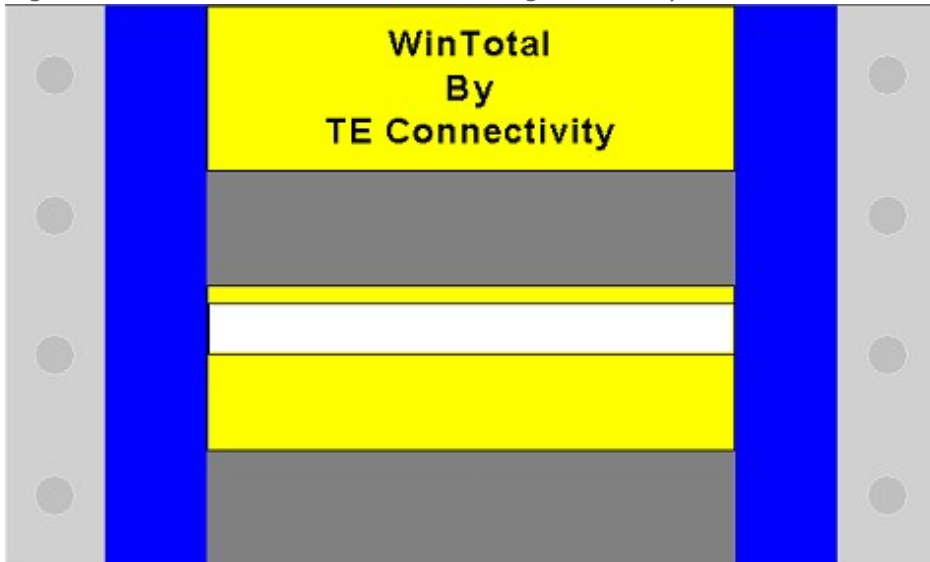
The **Copy Previous Legend** command will copy the previous **Legend** data into the current **Legend**.

This command can also be accessed by pressing **F5** on a keyboard.

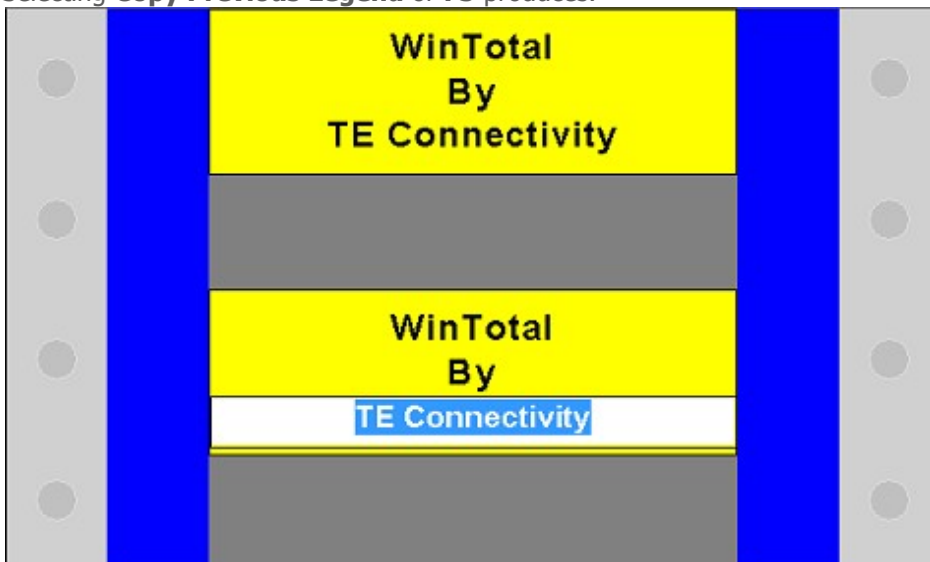
---

## Example

Legend 1 is entered as below and the next legend is ready have data entered.



Selecting **Copy Previous Legend** or **F5** produces.



# Copy Previous Legend Line

---

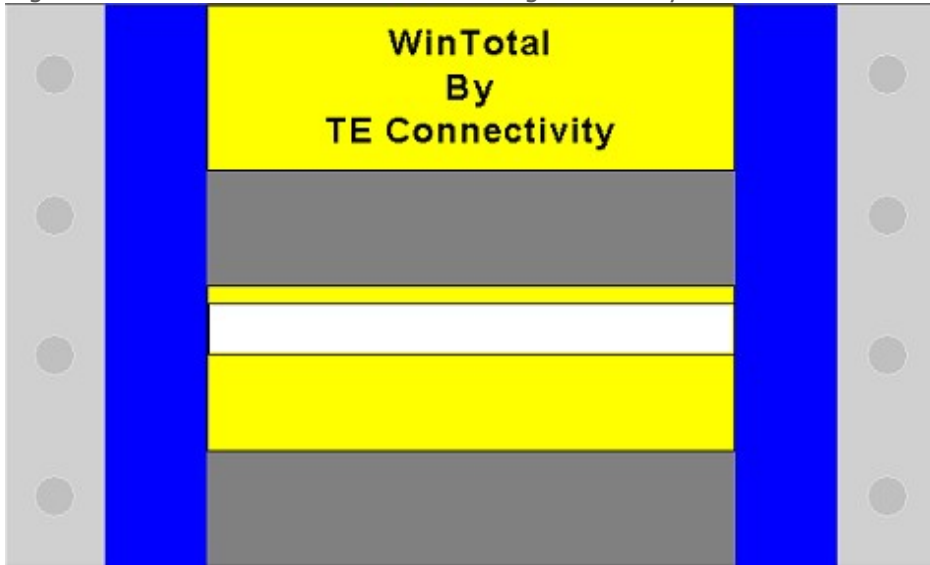
The **Copy Previous Legend Line** command copies the current line from the previous **Legend** to the current **Legend**.

This command can also be accessed by pressing **F11** on a keyboard.

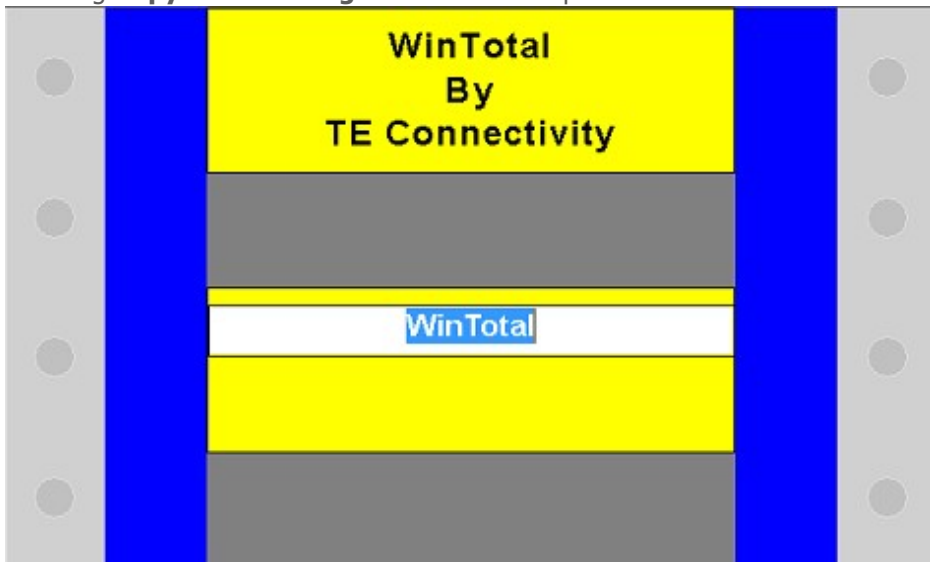
---

## Example

Legend 1 is entered as below and the next legend is ready have data entered.



Selecting **Copy Previous Legend Line** or **F11** produces.



## Copy 1st Score Across Line

---

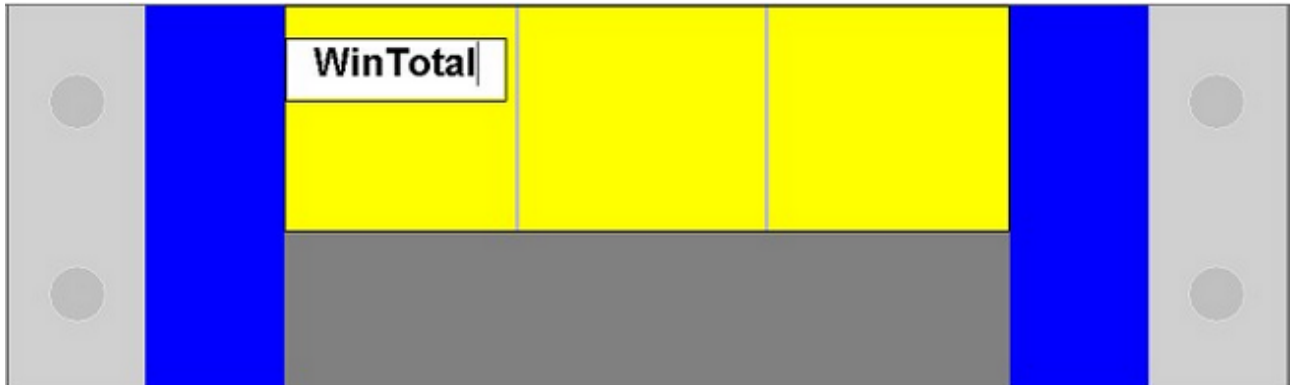
The **Copy 1st Score Across Line** command copies the first score data on the current line across the remaining scores on the current line.

This command can also be accessed by pressing **F6** on a keyboard.

---

### Example

Legend 1 is entered as below and the cursor is still in the 1st score.



Selecting **Copy 1st Score Across Line** or **F6** produces.



# Copy 1st Line To All Lines

---

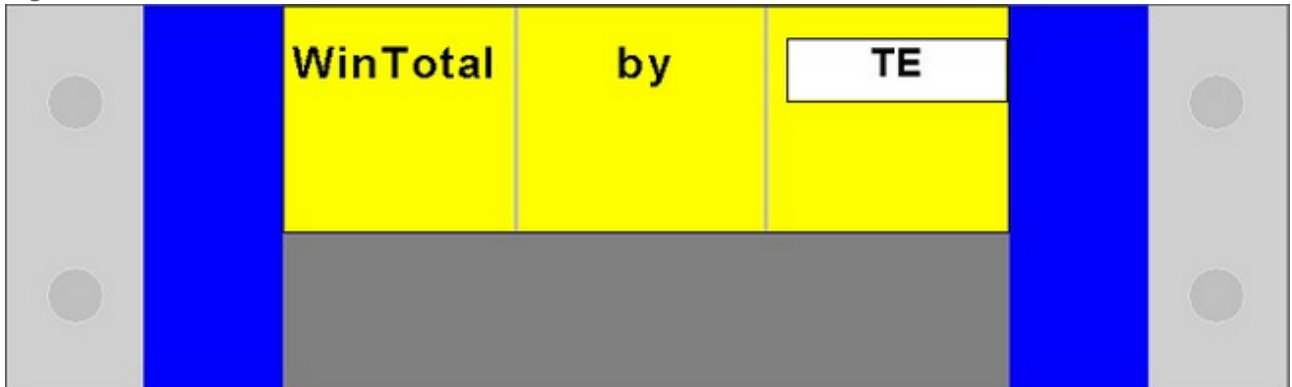
The **Copy 1st Line To All Lines** command will duplicate the 1st line of the current **Legend** to all lines within that **Legend**.

This command can also be accessed by pressing **F12** on a keyboard.

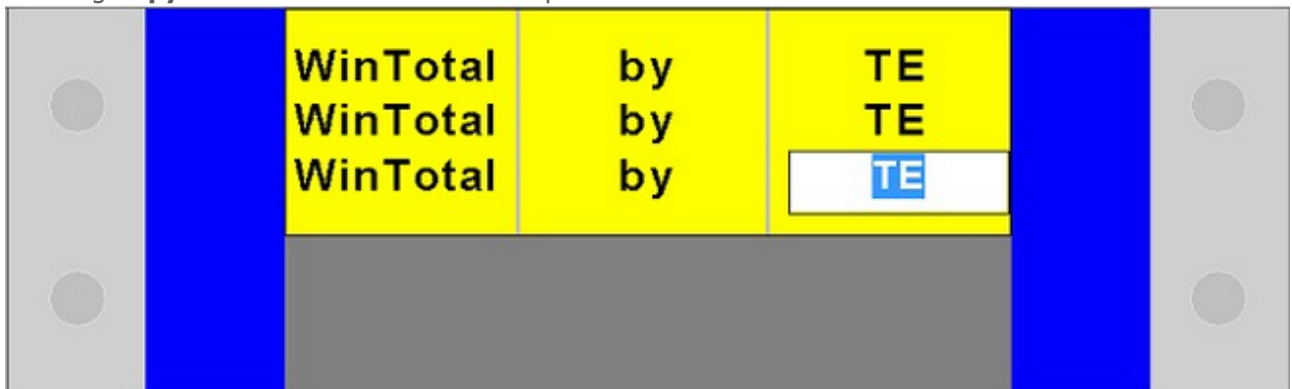
---

## Example

Legend 1 is entered as below and the cursor is still in the last score on the 1st line.



Selecting **Copy 1st Line To All Lines** or **F12** produces.



# Mirror Score

---

The **Mirror Score** command has two different functions depending on the **Product**.

1. Scored **Product** will mirror the data between the different scores.
2. Non scored **Product** using the forward slash ("/") can be used to indicating the separation of fields and the mirror point.

This command can also be accessed by pressing **F2** on a keyboard.

---

## **Example 1 - Scored Product**

Legend 1 is entered as below and the next legend is ready have data entered.

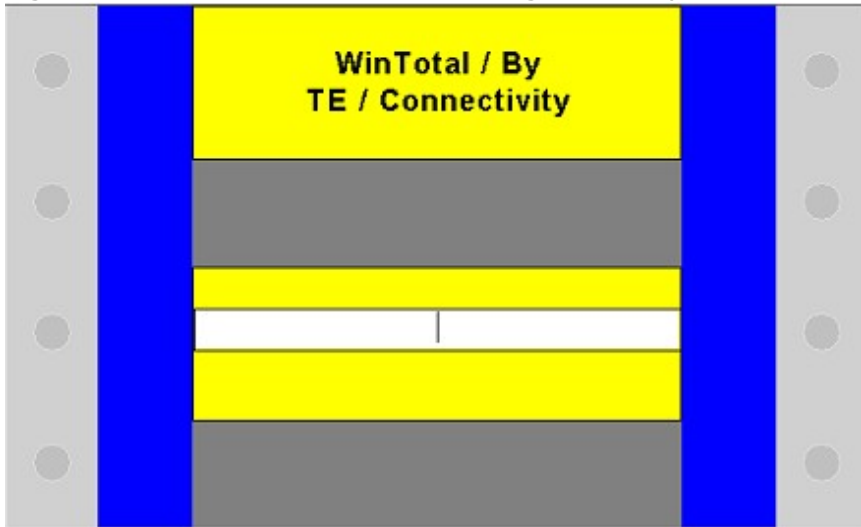
		WinTotal By	TE Connectivity	
		<input type="text"/>		

Selecting **Mirror Score** or **F2** produces.

		WinTotal By	TE Connectivity	
		TE Connectivity	WinTotal By	

**Example 2 - Non Scores Product using the "/" option**

Legend 1 is entered as below and the next legend is ready have data entered.



Selecting **Mirror Score** or **F2** produces.



## Mirror Previous Field

---

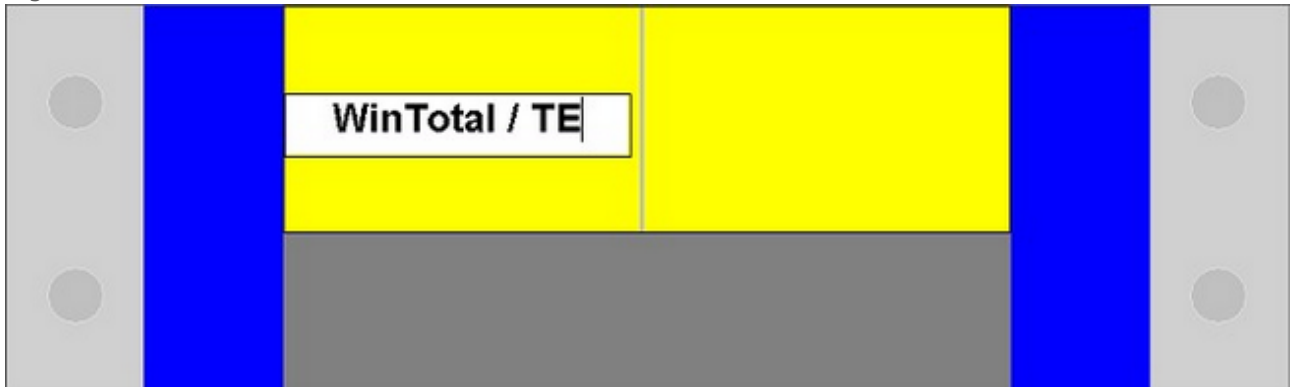
The **Mirror Previous Field** command will duplicate the previous fields data and using the forward slash ("/") to indicating the separation of fields and the mirror point.

This command can also be accessed by pressing **F4** on a keyboard.

---

### Example

Legend 1 is entered as below and the cursor is still in the 1st score on the 1st line.



Selecting **Mirror Previous Field** or **F4** produces.



# Reverse Line Order

---

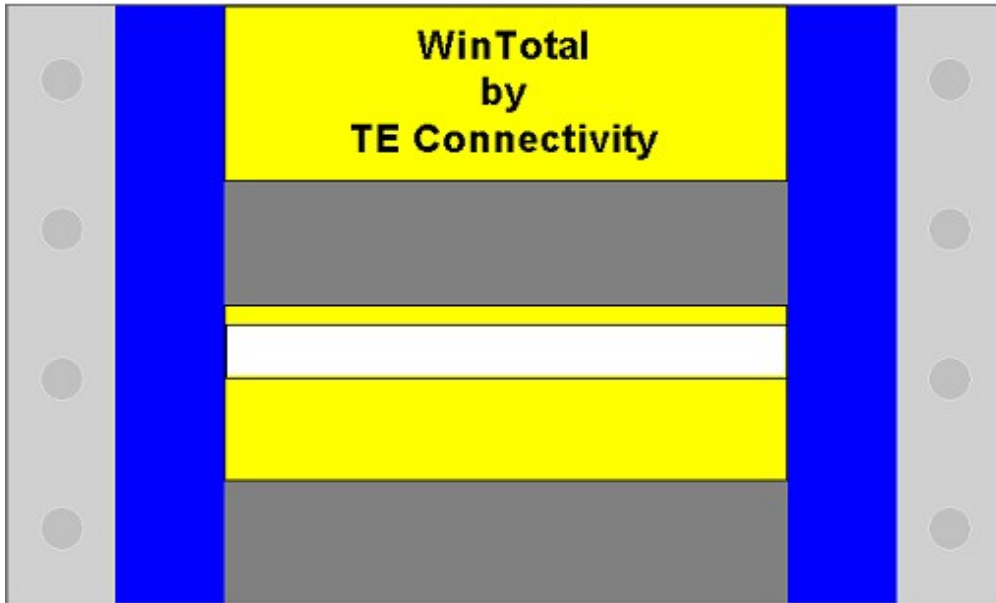
The **Reverse Line Order** command will duplicate the previous **Legend** data into the current **Legend** reversing the lines order.

This command can also be accessed by pressing **F3** on a keyboard.

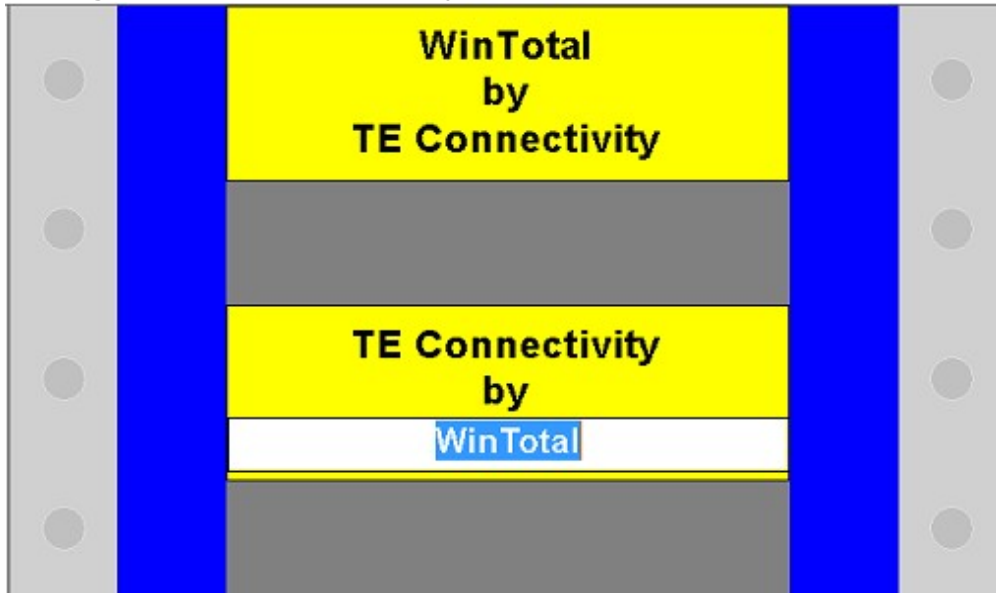
---

## Example

Legend 1 is entered as below and the cursor is still in the 1st score on the 1st line.



Selecting **Reverse Line Order** or **F3** produces.





# Constants Panel

---

The **Constants Panel** is used to display commands relating to Constants.



The **Constants** button will open the [Constants](#) screen where the values can be added or edited.

When Constants exist their values will be show by the **F7, F8, F9 & F10** buttons

Selecting the **Ribbon Button** or the corresponding **F** key will insert this data where the text prompt is currently placed.

**NOTE:** These Control cannot can be added to the [Quick Access Toolbar](#) for quick access.

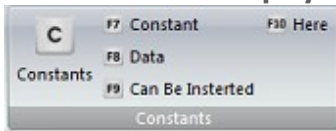
---

## Example

### Constants Screen Settings



### Constants Panel Display



# Navigation Panel

---

The **Navigation Panel** is used to display commands relating to Navigation.



**The following ribbon controls are available:**

**NOTE:** These Control cannot can be added to the [Quick Access Toolbar](#) for quick access.

[Next Field](#)

[Previous Field](#)

[Edit Quantity](#)

[Quit Data Entry](#)

## Next Field

---

The **Next Field** button will advanced the cursor to the **Next Field**.

The **Down Arrow** or **Enter** buttons will also do this.

## Previous Field

---

The **Previous Field** button will advanced the cursor to the **Previous Field**.

The **Up Arrow** will also do this.

## Edit Quantity

---

The **Edit Quantity** check box allows the user to be prompted to enter a **Legend** quantity, if disabled then the user is not prompted and a default value of 1 is used.

## Quit Data Entry

---

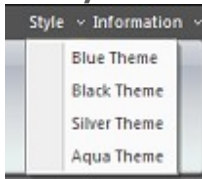
The **Quit Data Entry** button will exit the editing mode which was selected using the Add Data or Change Data commands.

The **Esc** (Escape) will also do this.

# Style Menu

---

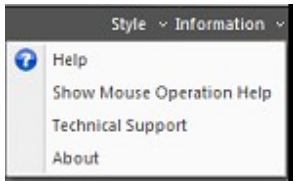
The **Style Menu** can be used to change the Themes that WinTotal can be displayed in.



# Information Menu

---

The **Information Menu** contains the following sub items.



[Help](#)

[Show Mouse Operation Help](#)

[Technical Support](#)

[About](#)



# Help

---

The **Help** menu item will open the **Help File**.

**F1** can also be used to do this.

# Show Mouse Operation Help

---

The **Show Mouse Operation Help** menu item will open the [Mouse Operation](#) topic of the **Help** file.

# Technical Support

---

The **Technical Support** menu item will open the [Technical Support](#) topic of the **Help** file.

# About

---

This **About** screen shows information about WinTotal is displayed.

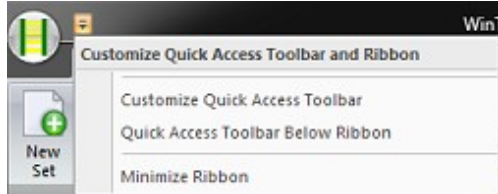


# Quick Access Toolbar

---

The **Quick Access Toolbar** ( Small arrow ) is used to add shortcuts to main commands so they are directly visible on the main screen at all times.  
By default no shortcuts are created.

Clicking the arrow will display a menu with the following options:



[Customize Quick Access Toolbar](#) - this allows the [WinTotal Button](#), [Product Tab](#), [Data Entry Tab](#) and [Print Tab](#) options to be selected for the **Quick Access Toolbar**.

**Quick Access Toolbar Below Ribbon** or **Quick Access Toolbar Above Ribbon** - this will move the position to the **Quick Access Toolbar**.

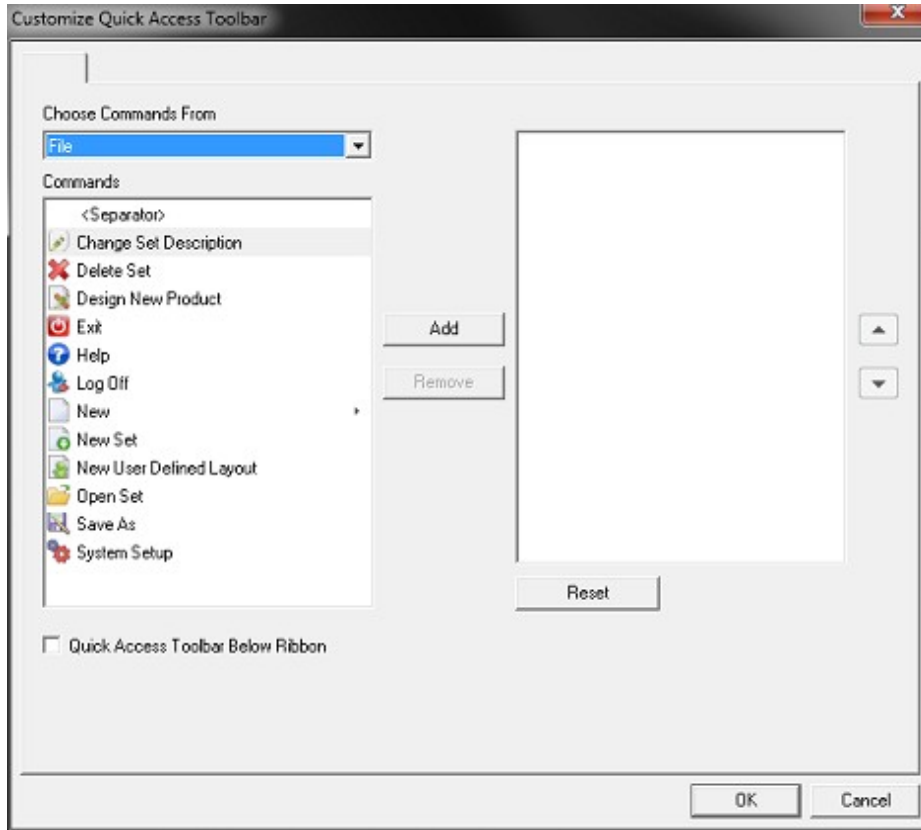
**Minimize Ribbon** - this will minimize the ribbon so the command are only visible when the ribbon is selected.

# Customize Quick Access Toolbar

---

The **Customize Quick Access Toolbar** screen allows users to select which commands or menus to add to the [Quick Access Toolbar](#).

**Note:** These settings are per user based so if multiple users logon to the Windows PC then they will have to configure these settings individually.



## Release History

## **v6.1.00**

---

WinTotal v6.1.00 contains all the changes between v6.0.00 and v6.0.14.

For a detailed view of changes made please see the sub topics.

# v6.0.14

---

Below is the list of what has changed from WinTotal v6.0.12 to v6.0.14 (1st December 2016)

---



= New Feature



= Improvement



= Resolved Issue

---



## **Product Template Changes**

The horizontal pitch values for T1K, T2K and HW 064064 labels was changed from 6.4 to 7.8mm



## **Auto Length**

The default Auto Size Length Tolerance is now set to 2mm as this is a more general base setting that works on the printers.



## **Auto Numbering**

Auto Numbering products did not count correctly. This was a bug introduced in v6.0.10



## **User Defined Layouts**

User Defined Layouts that have Black background and have attached labels would change the field color to white but not for Lines, Rectangles or Circles.



## **Auto Length**

Auto Length products always feed empty markers after the print job regardless of the Do Not Feed After Printing Continuous Sleeves option



## v6.0.13

---

Below is the list of what has changed from WinTotal v6.0.12 to v6.0.13 (25th November 2016)

---



= New Feature



= Improvement



= Resolved Issue

---



### **New Products**

HPR labels have been added.



### **Variable Length**

In the Print Screen the length value is now replaced with the Auto Length text.



### **Print Ribbon Matrix**

The printer ribbon matrix has been updated to 411-121005 Rev 23



### **Auto Size Font**

When using a User Defined Layout using the Auto Size font option we now hide the Vertical Alignment option in the Add Product screen as it is not supported



### **Continuous Length Options**

When using a User Defined Layout and a Continuous product the length is defined when the product is created. We now hide the option in the Add Product screen as it is not supported



### **Mirror Print**

When using the Mirror Print and markers using the "/" mirror character on the T6112DS the back side text would not mirror correctly if the data lengths for the front and back sides were different.



### **Manual Print**

When using Manual Print and in the Edit Quantity field clicking clear data would cause the program to lock. There was also an issue when using Escape from the Edit Quantity field and the cursor focus was back in the legend but when enter was pressed this data was in the Edit Quantity field.



### **ASCII Text and Windows Database Importing**

When importing you can add a product to the set and if that product was not white the color did not display in the selection.

**Edit Order Front to Back**

When using this option on the T6112DS but on a single sided product the back side fields were still processed,

**Auto Length Default Zoom**

The default zoom ration for an Auto Length product was not correct

**Print Loops**

The was print jobs were sent to the printer had changed from v5 to v6.

For all printers except the T208M, T212M and Windows printer the Continue To Print The Rest part of the print job will send the remaining legends as one single print job. The data format is unchanged but previously each legend was sent as a seperate job which on the T312M, T312Mi and Zebra 170xi printer slowed the printing process dramatically.

## v6.0.12

---

Below is the list of what has changed from WinTotal v6.0.11 to v6.0.12 (15th November 2016)

---



= New Feature



= Improvement



= Resolved Issue

---



### **Variable Length**

For continuous sleeve products a new option called for variable length calculations is available.

The control is now merged with the Auto Size Font control in the Add Product screen called Auto Size.



### **Double Print Optimize**

The T6112DS printer has a new feature in the System Setup to allow print jobs to be sent to the printer in a format allowing the Double Print Optimize feature in the printers control panel work.



### **Double Sided - Edit Order: Front-Back**

A new option in the System Setup...Options called Edit Order: Front-Back which when enabled will change the edit order for Double Sided products. When used the front field data is entered then the same back side field will be entered next.



### **Selected Product Grid**

The Selected Product grid is resized to allow for a larger Name field.



### **T312M, T312Mi and Zebra 170**

The print speed of these models was slow as jobs were being sent individually rather than in one large job. This is now optimized to increase the printing speed.



### **Show Tubing Product Horizontally**

This option is now set as default and can not be turn off. This we required to allow the Variable Length feature to be implemented.



### **Translations**

Some screen texts were not translated.



### **Design New Products**

The Printer Setup button is hidden, not disabled unless the T312M or T312Mi printer is selected.



### **T6112DS Mirror Previous Field**

The Mirror Previous Field option is now disabled if using the new Edit Order: Front-Back feature.



### **Excel Importing**

Excel importing was limited to 30 columns of data.



### **Continuous Products**

Continuous Products when using languages other than English would crash the program.



### **Importing**

Importing XMT and Windows Databases did not show the real data after a import until the a new product was selected then the imported one reselected.



### **T6112DS Mirror "/" Print**

Double Sided products on the T6112DS with a mirror slash "/" character on both front and back sides would not mirror the back correctly if data length was different.



### **Sequential Numbers**

If specifying a Range to print from with a marker that had Serializations then it would always print from marker 1 even if a higher number was specified.



### **Constants**

Using the \$ symbol in constants would give incorrect outputs when used.



### **Cutting Multi-column Labels**

Labels with more than 1 column would not cut correctly when printed.



### **T6112DS Mirror Print**

The Mirror Print option for the T6112DS printer only mirrored the front side, now it will do the front and back.



### **T6112DS Double Print Optimize**

The data format for sending to a Double Print Optimized T6112DS did not work for Serialisations.

## v6.0.11

---

Below is the list of what has changed from WinTotal v6.0.10 to v6.0.11 (8th June 2016)

---



= New Feature



= Improvement



= Resolved Issue

---



### **New TE Logo**

The About screen now has the latest TE logo



### **Import Options XMT**

The following options and sub options have been removed from the XMT Import tab.

Use This Font

Import Into Product



### **Print Modes**

The following printers no longer have the Print Mode option available as they are no longer supported. The printing now is set to Printer Default. Print Loop is now O R only.

Cab A4+300

T200 Ident

T2000CT

T6112DS

TE3112

TE3124



### **Cab A4+300**

This printer would allow negative left margins to be entered which would trim the image sent to the printer. Negative left margins are now not allowed.



### **Duplicate Products in Sets**

It was possible to add duplicated products to a set by first adding a unique product but then changing it to a product already defined in the Set. This is now prevented.



**User Defined Layouts**

Selecting Cancel on User Defined Layouts screen deleted all previously created templates.



**Do Not Feed After Printing Continuous Sleeves**

This option was always being set regardless of the check box value

## v6.0.10

---

Below is the list of what has changed from WinTotal v6.0.09 to v6.0.10 (19-April-2016)

---



= New Feature



= Improvement



= Resolved Issue

---



### **Code Cleanup**

All System 90 and Obsolete unused code was removed. Many cleanup routines done over 15000 lines removed. All Obsolete Products and functions were also removed from the product file.



### **Data Conversion Program**

The WinTotal Data Conversion program has been removed.



### **SOL-SRS**

The Label SOL-SRS labels were removed.



### **Autonumber Products**

Autonumber products would sometimes have the Print button disabled when printing.



### **Manual Print**

Selecting Manual Print then Cancel would not allow the Selected Set box to be reselected until the program was restarted

## v6.0.09

---

Below is the list of what has changed from WinTotal v6.0.08 to v6.0.09 (14-December-2015)

---



= New Feature



= Improvement



= Resolved Issue

---



### **Windows Updates**

A series of updates from Microsoft caused WinTotal to crash due to coding issues.



## v6.0.08

---

Below is the list of what has changed from WinTotal v6.0.07 to v6.0.08 (13-November-2015)

---



= New Feature



= Improvement



= Resolved Issue

---



### **Windows Drivers**

New Windows 10 compatible drivers were updated in the installer



### **Products Removed**

Continuous Sleeve E4 products were removed as they are obsolete.



### **User Defined Layout - Advanced Editing**

When in the Advanced Editor pressing the X button would close the editor but crash the program



### **Advanced Print**

When printing multiple sets with multiple products using Advanced Print random crashing was seen due to USB hardware key checking.



### **Default Zoom**

Default zoom was wrong after entering System Setup or Import screens.



### **T6112DS User Defined Layout**

When editing a User Defined Layout in the Advanced Editor for a double sided product on the T6112DS printer double clicking a back side data the field would move the field outside of the product area.



### **Advanced Print - Skip Products**

Skip Products was not skipping all products only the first instance found when using Print by Product in Advanced Print.



### **T6112DS - Copy Front To Back**

When using a product for the T6112DS printer and with the Copy Front To Back option enabled the feature did not work if the product was part of a printer product assignment.



### **Select Product Grid**

The Select Product grid was selectable when Editing data in a product allowing the user to change product.



**Advanced Print - Close**

It was possible to close the program when the Advanced Print screen was open via the X button.

# v6.0.07

---

Below is the list of what has changed from WinTotal v6.0.06 to v6.0.07 (02-October-2015)

---



= New Feature



= Improvement



= Resolved Issue

---



## **New Products**

SBP200743WE1 label product added.



## **Products Modified**

EET-0623 label product was defined with 2 columns but it has 3



## **Products Removed**

RMK6-WM was removed from all printers except the Windows Printer as this is the only supported printer.



## **Advanced Print**

If a product that could not be detected was add to the Advanced Print Queue then the print status screen would show ????. Now products that can not be detected can not be added to the queue



## **User Defined Layouts**

When importing User Defined Layouts with non English characters in the Name these characters were not imported correctly



## **Constants**

Constants could not be created if they contained lower case p to z. Upper case characters worked but no lower case.



## **Print Screen Options**

The Print Screen did not make Reverse Print Order or Stop After First Marker Is Printed options visible unless the Show Options button was clicked.

# v6.0.06

---

Below is the list of what has changed from WinTotal v6.0.05 to v6.0.06 (10-August-2015)

---



= New Feature



= Improvement



= Resolved Issue

---



## **New Products**

ZHDCT sleeve products added.



## **User Defined Layouts**

A new format for User Defined Layouts is now being used. Existing usrprd.wupu files are converted automatically to the new format file usrprd.wupx. The new format offers many internal benefits with the new addition of a SAVE and CANCEL button on the main screen. Cancel closes the screen and reverts the User Defined Layouts to the last Saved state.



## **User Defined Layouts**

The maximum number of User Defined Layouts was limited by memory to around 200 per machine. This memory location is now increased to allow around 700.



## **New Printer Configuration File**

The printer configuration is currently stored in LCN.CFG  
This will be replaced with a new file and format called LCN.dbc



## **Double Sided Products**

When printing a Double Sided product on a Single Sided printer with the Print Back Side option the next time the user enters the Print screen the Marker Range fields are not visible.



## **Double Sided Products**

When printing a Double Sided product on a Single Sided printer with the Print Back Side option. If the first marker contained copies greater than 1 or serializations then when printing only 1 legend for the first maker would be printed.



## **User Defined Layouts**

When using the Edit option for a User Defined Layout the Advanced Editing screens size and location was the minimized size and location and not always visible. The window must be dragged to a suitable size but if maximize and restore was used the screen can disappear. Field status windows was minimized.



### **T6112DS Line Spacing**

When using the T6112DS printer and adjusting the Line Spacing value at print time the fields on the back side of the product would not print



### **Advanced Print**

Using Advanced Print with Select Product(s) From Single Set, if you add products using different colors to the print then click Reverse Queue order the display colors for the products would change in the queue. This only affected the print queue grid and not the products or printing of the products.



### **Print Collate Image**

The collate image in the print screen that symbolizes the collate mode was missing since v6.0.04.



### **Database Printing**

In the Database Printing screen the Format Numerical Field option did not hide or show the No. of Decimal fields option.



### **Passwords**

If passwords were configured with greater than 6 characters then a error message when using them.



### **User Defined Layout - Rotate Back Side 180°**

When creating a Double Sided User Defined Layout, the Rotate Back Side 180° option was not saved in the layout



### **User Defined Layout - Missing**

When opening a Set containing a User Defined Layout that is not present in WinTotal the Product Removed From Database screen is shown. If answering YES on this screen the User Defined Layouts screen was incorrectly shown instead of the Change Product screen



### **XMT Server - Minimized**

If the XMT server is run Minimized and a XMT is detected that is invalid or contains a invalid product an error screen shows. This screen should not show when Minimized as it prevents further jobs being executed.



### **Show Tubing Horizontally**

When printing a Continuous Sleeve with the Show Tubing Horizontally option the product is then displayed incorrectly in a vertical view mode.



### **Move Data**

The Move Data feature did not show the data correctly after a Move without reopening the product.



### **Non Unicode Fonts**

If using a Non Unicode font in a User Defined Layout the font was not loaded correctly as the name of the font is dependant on the Codepage settings of Windows.



### **Continuous Sleeve Printing**

When printing Continuous Sleeve products the second marker was longer than the first and rest of the print job

## v6.0.05

---

Below is the list of what has changed from WinTotal v6.0.04 to v6.0.05 (13-March-2015)

---



= New Feature



= Improvement



= Resolved Issue

---



### **Windows Printer Drivers**

The installer will now detect if the Windows Printer drivers have been installed. If not the user will be prompted to install them. Installing them will help the plug and play process complete for usb printers. The drivers are not used by WinTotal but only for Microsoft Windows plug and play compatibility.



### **Advanced Print**

If using Advanced Print with Search For Products In All Sets In Data Directory selected. When sets are added and printed the program crashes.

## v6.0.04

---

Below is the list of what has changed from WinTotal v6.0.03 to v6.0.04 (23-January-2015)

---



= New Feature



= Improvement



= Resolved Issue

---



### **V5 WDF Conversion**

If opening a v5 WDF file with non English characters in the filename then the program did not convert the product correctly to a v6 WDFU. This was seen by the background color always being set to White



### **Cut Line**

On Continuous products using occurs the cut line would be in the wrong location when using T200 Ident, TE3112, TE3124 and T2000CT printers.



### **Import ASCII Text**

Importing a ASCII Text file using the Ignore Line Breaks option did not find the end of file and imports the maximum 32000 legends.



### **Windows Database**

Importing a Windows Database with Unicode characters would fail and replace those characters with a question mark (?)



### **Color Pink**

Products using the color pink would not display pink but grey



### **T6112DS Reverse Print Order**

If using the T6112DS and printing using the Reverse Print Order option the print button would be disabled next time the print screen was shown



### **Import Windows Database**

If a new Windows Database connection is made then used the connection would work. But the second time or after that a Select Data Source screen would be displayed.



### **T212M Speed/Density**

The T212M Speed and Density settings in the Print screens were not visible

## v6.0.03

---

Below is the list of what has changed from WinTotal v6.0.02 to v6.0.03 (26-September-2014)

---



= New Feature



= Improvement



= Resolved Issue

---



### **New Products**

ZH-DSCE, ZTSL and RTSL sleeve products added.



### **T200 Ident**

NBC-SCE is now enabled for the T200 Ident printer



### **Color Changes**

Red, Orange, Green and Blue product colors were adjusted to be more like the real product



### **Import**

The Import button is now set as the default focus in the Import screens.



### **Import XMT**

When importing an XMT file if the user changed the target set the program would crash.



### **T6112DS Printer**

When using the T6112DS printer with a S1 sleeve product the score was placed in the wrong location.



## v6.0.02

---

Below is the list of what has changed from WinTotal v6.0.01 to v6.0.02 (28-July-2014)

---



= New Feature



= Improvement



= Resolved Issue

---



### **Find or Replace**

A option to go to the Next find result is now available when using Find or Replace functions.



### **Zoom Factor**

Opening a v5 WDF set did not set the v6 WDFU to the correct zoom factor.



### **Perforate Options**

Perforate options would be set incorrectly when changing between printers.



### **Advanced Print**

Advanced Print did not show the correct printer selection for a v5 WDF set that has been converted to a v6 WDFU.



### **Scores Display**

The position of the scores was not calculated correctly between fields.

# v6.0.01

---

Below is the list of what has changed from WinTotal v6.0.00 to v6.0.01 (10-July-2014)

---



= New Feature



= Improvement



= Resolved Issue

---



## **T200 Ident Printer**

This printer now can perforate as well as cut.



## **Print Screen**

The Print button is now set do the default focus when entering the print screen.



## **Conversion Program**

The buttons have been resized and spaced to make selection easier

# v6.0.00

---

Below is the list of what has changed from WinTotal v5.4.00 to v6.0.00 (released 10th April 2014)

---

## **Graphical Interface**

WinTotal v6 has a new graphic interface consisting of:

- New Green Icon to easily identify v6 shortcuts and set files.
- New screen menus and commands with customizable shortcuts.
- Enhanced WYSIWYG for barcodes and graphics

See the [Screen Overview](#) topic for more information

---

## **Unicode**

- WinTotal v6 is now Unicode.
- Support for multilingual display and legend data regardless of the Microsoft Windows settings.

See the [Upgrading from v5 to v6](#) and [Data Management/Backup](#) topics for more information.

---

## **Obsolete Printers**

Several printers have been made obsolete in WinTotal v6. For a list of these see the [Obsolete Printers](#) topic.

If an obsolete printer is required please use WinTotal v5.

---

## **Obsolete Products**

Several products have been made obsolete in WinTotal v6. For a list of these see the [Obsolete Products](#) topic.

If an obsolete products is required please use WinTotal v5.

---

## **Obsolete Fonts**

All Printer Embedded fonts have been made obsolete in WinTotal v6. For a list of these see the [Obsolete Fonts](#) topic.

If an obsolete font is required please use WinTotal v5.

---

### **Auto Size Font**

This option allows a minimum and maximum font size to be selected for the product. When data is entered or imported the font will be sized automatically within these values to the largest possible.

See the [Add Standard Product](#) topic for more information.

---

### **Print Preview**

This option has been updated to a scalable screen with a live preview of what would be printed. This allows a user to see the impact of selecting print options without actually printing to the product.

See the [Print](#) and [Print Preview](#) topics for more information.

---

### **Double Sided View**

This new feature allows Double Sided products to display the Front and Back sides together. This option also works in the Print Preview screen.

See the [Double Sided View](#) topic for more information.

---

### **User Defined Layouts**

This option has been updated with the following new features

- **Product Auto Update** - this will ensure that if a [Selected Product](#) is a User Defined Layout with this option enabled it will be automatically updated to the latest template design.
- **Create From v5 Product** - this option allows a v5 .wdf Set to be selected and a product from that set used to design a new User Defined Layout.
- **New Advanced Edit Module** - the new Advanced Edit module can be used to make advanced changes to a User Defined Layout.

See the [User Defined Layouts](#) topic for more information.

---

### **Print Cut Line**

It is now possible to choose if a Cut Line is to be printed on continuous products.

See the **Print Cut Line** section in the [Print](#) topic for more information.

---

### **Software Licensing**

There is a new License Agreement for WinTotal v6. The method of licensing is still using USB Hardware Keys or Serial Numbers. WinTotal v4 or WinTotal v5 licensing methods are not compatible with WinTotal v6 so a new license will be required. The evaluation period has also changed to 14 days. Users will now see new messages and screens notifying them of this if no valid licensing methods can be found.

See the [Software Licensing](#) topic and sub topics for more information.

---

### **New Clip Art**

There is now more clip art files installed by default. These are available only when created in [User Defined Layouts](#).

---

### **Import and Export Printer Settings**

Printer configurations from WinTotal v5 can now be imported into v6. v6 configurations can now also be exported for backup or to be imported into another v6 installation.

See the [Printers](#) topic for more information

---

### **Advanced Label Editing - Removed**

The Advanced Label Editing option is no longer supported in v6. To make changes previously made in this function the **User Defined Layouts** option should be used.

See the [User Defined Layouts](#) topic for more information.

---

### **Export - Removed**

The option to Export data from WinTotal has been removed.

# Obsolete Printers

---

The following printers have been made obsolete in WinTotal v6.

If an obsolete printer is required please use WinTotal v5.

**Epson LQ (24-pin)**

**ITS BTT-02 Card**

**LMS9000**

**T208M**

**T212M**

**T308S**

**T312S**

**T312Z**

**T412S**

**T424S**

**T612M DS**

**Wheel.10 and above**

**Wheel. 3,5 and 6**

**Wheelprinter E**

**NOTE:**

The T208M and T212M printers that are in WinTotal v6 were the models previously called T208M-NEW and T212M-NEW

# Obsolete Products

---

The following products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

- [Obsolete System 90 Sleeve Products](#)
- [Obsolete System 90 Panel Marker Products](#)
- [Obsolete System 90 Cable Marker Products](#)
- [Obsolete System 90 Wraparound Products](#)
- [Obsolete System 6 Sleeve Products](#)
- [Obsolete System 6 Label Products](#)
- [Obsolete System 6 Cable Marker Products](#)
- [Obsolete System 6 Continuous Products](#)
- [Obsolete System 6 Card Products](#)

# Obsolete System 90 Sleeve Products

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The following Obsolete System 90 Sleeve Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Option</b>
ATMS 12.0/6.4-48MM	Manual Conversion Required
ATMS 12.0/6.4-NR11	Manual Conversion Required
ATMS 12.0/6.4-NR12	Manual Conversion Required
ATMS 12.0-46MM	Manual Conversion Required
ATMS 12.0-NR11	Manual Conversion Required
ATMS 12.0-NR12	Manual Conversion Required
ATMS 18.0/9.5-42MM	Manual Conversion Required
ATMS 18.0/9.5-NR11	Manual Conversion Required
ATMS 18.0/9.5-NR12	Manual Conversion Required
ATMS 18.0-42MM	Manual Conversion Required
ATMS 18.0-NR11	Manual Conversion Required
ATMS 18.0-NR12	Manual Conversion Required
ATMS 2.4/1.2-48MM	Manual Conversion Required
ATMS 2.4/1.2-NR11	Manual Conversion Required
ATMS 2.4/1.2-NR12	Manual Conversion Required
ATMS 2.4/1.2-NR13	Manual Conversion Required
ATMS 2.4/1.2-NR14	Manual Conversion Required
ATMS 2.4-48MM	Manual Conversion Required
ATMS 2.4-NR11	Manual Conversion Required
ATMS 2.4-NR12	Manual Conversion Required
ATMS 2.4-NR13	Manual Conversion Required
ATMS 2.4-NR14	Manual Conversion Required
ATMS 3.2/1.6-48MM	Manual Conversion Required
ATMS 3.2/1.6-NR11	Manual Conversion Required
ATMS 3.2/1.6-NR12	Manual Conversion Required
ATMS 3.2/1.6-NR13	Manual Conversion Required
ATMS 3.2/1.6-NR14	Manual Conversion Required
ATMS 3.2-48MM	Manual Conversion Required
ATMS 3.2-NR11	Manual Conversion Required
ATMS 3.2-NR12	Manual Conversion Required
ATMS 3.2-NR13	Manual Conversion Required
ATMS 3.2-NR14	Manual Conversion Required
ATMS 4.8/2.4-48MM	Manual Conversion Required
ATMS 4.8/2.4-NR11	Manual Conversion Required
ATMS 4.8/2.4-NR12	Manual Conversion Required
ATMS 4.8/2.4-NR13	Manual Conversion Required
ATMS 4.8/2.4-NR14	Manual Conversion Required
ATMS 4.8-48MM	Manual Conversion Required
ATMS 4.8-NR11	Manual Conversion Required
ATMS 4.8-NR12	Manual Conversion Required
ATMS 4.8-NR13	Manual Conversion Required
ATMS 4.8-NR14	Manual Conversion Required
ATMS 6.4/3.2-48MM	Manual Conversion Required
ATMS 6.4/3.2-NR11	Manual Conversion Required
ATMS 6.4/3.2-NR12	Manual Conversion Required



ATMS 6.4/3.2-NR13	Manual Conversion Required
ATMS 6.4/3.2-NR14	Manual Conversion Required
ATMS 6.4-48MM	Manual Conversion Required
ATMS 6.4-NR11	Manual Conversion Required
ATMS 6.4-NR12	Manual Conversion Required
ATMS 6.4-NR13	Manual Conversion Required
ATMS 6.4-NR14	Manual Conversion Required
ATMS 9.5/4.8-47MM	Manual Conversion Required
ATMS 9.5/4.8-NR11	Manual Conversion Required
ATMS 9.5/4.8-NR12	Manual Conversion Required
ATMS 9.5/4.8-NR13	Manual Conversion Required
ATMS 9.5/4.8-NR14	Manual Conversion Required
ATMS 9.5-47MM	Manual Conversion Required
ATMS 9.5-NR11	Manual Conversion Required
ATMS 9.5-NR12	Manual Conversion Required
ATMS 9.5-NR13	Manual Conversion Required
ATMS 9.5-NR14	Manual Conversion Required
CGTM 12.0-46MM	Manual Conversion Required
CGTM 12.0-NR11	Manual Conversion Required
CGTM 12.0-NR12	Manual Conversion Required
CGTM 18.0-42MM	Manual Conversion Required
CGTM 18.0-NR11	Manual Conversion Required
CGTM 18.0-NR12	Manual Conversion Required
CGTM 2.4-48MM	Manual Conversion Required
CGTM 2.4-NR11	Manual Conversion Required
CGTM 2.4-NR12	Manual Conversion Required
CGTM 2.4-NR13	Manual Conversion Required
CGTM 2.4-NR14	Manual Conversion Required
CGTM 3.2-48MM	Manual Conversion Required
CGTM 3.2-NR11	Manual Conversion Required
CGTM 3.2-NR12	Manual Conversion Required
CGTM 3.2-NR13	Manual Conversion Required
CGTM 3.2-NR14	Manual Conversion Required
CGTM 38-42MM	Manual Conversion Required
CGTM 38-NR11	Manual Conversion Required
CGTM 4.8-48MM	Manual Conversion Required
CGTM 4.8-NR11	Manual Conversion Required
CGTM 4.8-NR12	Manual Conversion Required
CGTM 4.8-NR13	Manual Conversion Required
CGTM 4.8-NR14	Manual Conversion Required
CGTM 6.4-48MM	Manual Conversion Required
CGTM 6.4-NR11	Manual Conversion Required
CGTM 6.4-NR12	Manual Conversion Required
CGTM 6.4-NR13	Manual Conversion Required
CGTM 6.4-NR14	Manual Conversion Required
CGTM 9.5-47MM	Manual Conversion Required
CGTM 9.5-NR11	Manual Conversion Required
CGTM 9.5-NR12	Manual Conversion Required
CGTM 9.5-NR13	Manual Conversion Required
CGTM 9.5-NR14	Manual Conversion Required
DTMS 12.0/6.4-48MM	Manual Conversion Required
DTMS 12.0/6.4-NR11	Manual Conversion Required
DTMS 12.0/6.4-NR12	Manual Conversion Required
DTMS 12.0-46MM	Manual Conversion Required
DTMS 12.0-NR11	Manual Conversion Required
DTMS 12.0-NR12	Manual Conversion Required
DTMS 18.0/9.5-42MM	Manual Conversion Required
DTMS 18.0/9.5-NR11	Manual Conversion Required
DTMS 18.0/9.5-NR12	Manual Conversion Required
DTMS 18.0-42MM	Manual Conversion Required

DTMS 18.0-NR11	Manual Conversion Required
DTMS 18.0-NR12	Manual Conversion Required
DTMS 2.4/1.2-48MM	Manual Conversion Required
DTMS 2.4/1.2-NR11	Manual Conversion Required
DTMS 2.4/1.2-NR12	Manual Conversion Required
DTMS 2.4/1.2-NR13	Manual Conversion Required
DTMS 2.4/1.2-NR14	Manual Conversion Required
DTMS 2.4-48MM	Manual Conversion Required
DTMS 2.4-NR11	Manual Conversion Required
DTMS 2.4-NR12	Manual Conversion Required
DTMS 2.4-NR13	Manual Conversion Required
DTMS 2.4-NR14	Manual Conversion Required
DTMS 3.2/1.6-48MM	Manual Conversion Required
DTMS 3.2/1.6-NR11	Manual Conversion Required
DTMS 3.2/1.6-NR12	Manual Conversion Required
DTMS 3.2/1.6-NR13	Manual Conversion Required
DTMS 3.2/1.6-NR14	Manual Conversion Required
DTMS 3.2-48MM	Manual Conversion Required
DTMS 3.2-NR11	Manual Conversion Required
DTMS 3.2-NR12	Manual Conversion Required
DTMS 3.2-NR13	Manual Conversion Required
DTMS 3.2-NR14	Manual Conversion Required
DTMS 38-42MM	Manual Conversion Required
DTMS 38-NR11	Manual Conversion Required
DTMS 4.8/2.4-48MM	Manual Conversion Required
DTMS 4.8/2.4-NR11	Manual Conversion Required
DTMS 4.8/2.4-NR12	Manual Conversion Required
DTMS 4.8/2.4-NR13	Manual Conversion Required
DTMS 4.8/2.4-NR14	Manual Conversion Required
DTMS 4.8-48MM	Manual Conversion Required
DTMS 4.8-NR11	Manual Conversion Required
DTMS 4.8-NR12	Manual Conversion Required
DTMS 4.8-NR13	Manual Conversion Required
DTMS 4.8-NR14	Manual Conversion Required
DTMS 6.4/3.2-48MM	Manual Conversion Required
DTMS 6.4/3.2-NR11	Manual Conversion Required
DTMS 6.4/3.2-NR12	Manual Conversion Required
DTMS 6.4/3.2-NR13	Manual Conversion Required
DTMS 6.4/3.2-NR14	Manual Conversion Required
DTMS 6.4-48MM	Manual Conversion Required
DTMS 6.4-NR11	Manual Conversion Required
DTMS 6.4-NR12	Manual Conversion Required
DTMS 6.4-NR13	Manual Conversion Required
DTMS 6.4-NR14	Manual Conversion Required
DTMS 9.5/4.8-47MM	Manual Conversion Required
DTMS 9.5/4.8-NR11	Manual Conversion Required
DTMS 9.5/4.8-NR12	Manual Conversion Required
DTMS 9.5/4.8-NR13	Manual Conversion Required
DTMS 9.5/4.8-NR14	Manual Conversion Required
DTMS 9.5-47MM	Manual Conversion Required
DTMS 9.5-NR11	Manual Conversion Required
DTMS 9.5-NR12	Manual Conversion Required
DTMS 9.5-NR13	Manual Conversion Required
DTMS 9.5-NR14	Manual Conversion Required
HTMS 1/2-46MM	Manual Conversion Required
HTMS 1/2-NR11	Manual Conversion Required
HTMS 1/2-NR12	Manual Conversion Required
HTMS 1/4-48MM	Manual Conversion Required
HTMS 1/4-NR11	Manual Conversion Required
HTMS 1/4-NR12	Manual Conversion Required

HTMS 1/4-NR13	Manual Conversion Required
HTMS 1/4-NR14	Manual Conversion Required
HTMS 1/8-48MM	Manual Conversion Required
HTMS 1/8-NR11	Manual Conversion Required
HTMS 1/8-NR12	Manual Conversion Required
HTMS 1/8-NR13	Manual Conversion Required
HTMS 1/8-NR14	Manual Conversion Required
HTMS 3/16-48MM	Manual Conversion Required
HTMS 3/16-NR11	Manual Conversion Required
HTMS 3/16-NR12	Manual Conversion Required
HTMS 3/16-NR13	Manual Conversion Required
HTMS 3/16-NR14	Manual Conversion Required
HTMS 3/32-48MM	Manual Conversion Required
HTMS 3/32-NR11	Manual Conversion Required
HTMS 3/32-NR12	Manual Conversion Required
HTMS 3/32-NR13	Manual Conversion Required
HTMS 3/32-NR14	Manual Conversion Required
HTMS 3/4-42MM	Manual Conversion Required
HTMS 3/4-NR11	Manual Conversion Required
HTMS 3/4-NR12	Manual Conversion Required
HTMS 3/8-47MM	Manual Conversion Required
HTMS 3/8-NR11	Manual Conversion Required
HTMS 3/8-NR12	Manual Conversion Required
HTMS 3/8-NR13	Manual Conversion Required
HTMS 3/8-NR14	Manual Conversion Required
HT-TMS 1/2-1.50	Manual Conversion Required
HT-TMS 1/2-NO21	Manual Conversion Required
HT-TMS 1/2-NO22	Manual Conversion Required
HT-TMS 1/2-NO23	Manual Conversion Required
HT-TMS 1/4-1.50	Manual Conversion Required
HT-TMS 1/4-1.75	Manual Conversion Required
HT-TMS 1/4-NO11	Manual Conversion Required
HT-TMS 1/4-NO12	Manual Conversion Required
HT-TMS 1/4-NO13	Manual Conversion Required
HT-TMS 1/4-NO21	Manual Conversion Required
HT-TMS 1/4-NO22	Manual Conversion Required
HT-TMS 1/4-NO23	Manual Conversion Required
HT-TMS 1/8-1.50	Manual Conversion Required
HT-TMS 1/8-1.75	Manual Conversion Required
HT-TMS 1/8-NO11	Manual Conversion Required
HT-TMS 1/8-NO12	Manual Conversion Required
HT-TMS 1/8-NO13	Manual Conversion Required
HT-TMS 1/8-NO21	Manual Conversion Required
HT-TMS 1/8-NO22	Manual Conversion Required
HT-TMS 1/8-NO23	Manual Conversion Required
HT-TMS 3/16-1.50	Manual Conversion Required
HT-TMS 3/16-1.75	Manual Conversion Required
HT-TMS 3/16-NO11	Manual Conversion Required
HT-TMS 3/16-NO12	Manual Conversion Required
HT-TMS 3/16-NO13	Manual Conversion Required
HT-TMS 3/16-NO21	Manual Conversion Required
HT-TMS 3/16-NO22	Manual Conversion Required
HT-TMS 3/16-NO23	Manual Conversion Required
HT-TMS 3/32-1.50	Manual Conversion Required
HT-TMS 3/32-1.75	Manual Conversion Required
HT-TMS 3/32-NO11	Manual Conversion Required
HT-TMS 3/32-NO12	Manual Conversion Required
HT-TMS 3/32-NO13	Manual Conversion Required
HT-TMS 3/32-NO21	Manual Conversion Required
HT-TMS 3/32-NO22	Manual Conversion Required

HT-TMS 3/32-NO23	Manual Conversion Required
HT-TMS 3/8-1.50	Manual Conversion Required
HT-TMS 3/8-1.75	Manual Conversion Required
HT-TMS 3/8-NO11	Manual Conversion Required
HT-TMS 3/8-NO12	Manual Conversion Required
HT-TMS 3/8-NO21	Manual Conversion Required
HT-TMS 3/8-NO22	Manual Conversion Required
HT-TMS 3/8-NO23	Manual Conversion Required
LFHTMS 1/2-46MM	Manual Conversion Required
LFHTMS 1/2-NR11	Manual Conversion Required
LFHTMS 1/2-NR12	Manual Conversion Required
LFHTMS 1/4-48MM	Manual Conversion Required
LFHTMS 1/4-NR11	Manual Conversion Required
LFHTMS 1/4-NR12	Manual Conversion Required
LFHTMS 1/4-NR13	Manual Conversion Required
LFHTMS 1/4-NR14	Manual Conversion Required
LFHTMS 1/8-48MM	Manual Conversion Required
LFHTMS 1/8-NR11	Manual Conversion Required
LFHTMS 1/8-NR12	Manual Conversion Required
LFHTMS 1/8-NR13	Manual Conversion Required
LFHTMS 1/8-NR14	Manual Conversion Required
LFHTMS 1_1/2-42MM	Manual Conversion Required
LFHTMS 1_1/2-NR11	Manual Conversion Required
LFHTMS 3/16-48MM	Manual Conversion Required
LFHTMS 3/16-NR11	Manual Conversion Required
LFHTMS 3/16-NR12	Manual Conversion Required
LFHTMS 3/16-NR13	Manual Conversion Required
LFHTMS 3/16-NR14	Manual Conversion Required
LFHTMS 3/32-48MM	Manual Conversion Required
LFHTMS 3/32-NR11	Manual Conversion Required
LFHTMS 3/32-NR12	Manual Conversion Required
LFHTMS 3/32-NR13	Manual Conversion Required
LFHTMS 3/32-NR14	Manual Conversion Required
LFHTMS 3/4-42MM	Manual Conversion Required
LFHTMS 3/4-NR11	Manual Conversion Required
LFHTMS 3/4-NR12	Manual Conversion Required
LFHTMS 3/8-47MM	Manual Conversion Required
LFHTMS 3/8-NR11	Manual Conversion Required
LFHTMS 3/8-NR12	Manual Conversion Required
LFHTMS 3/8-NR13	Manual Conversion Required
LFHTMS 3/8-NR14	Manual Conversion Required
LTMS 1/2-46MM	Manual Conversion Required
LTMS 1/2-NR11	Manual Conversion Required
LTMS 1/2-NR12	Manual Conversion Required
LTMS 1/4-48MM	Manual Conversion Required
LTMS 1/4-NR11	Manual Conversion Required
LTMS 1/4-NR12	Manual Conversion Required
LTMS 1/4-NR13	Manual Conversion Required
LTMS 1/4-NR14	Manual Conversion Required
LTMS 1/8-48MM	Manual Conversion Required
LTMS 1/8-NR11	Manual Conversion Required
LTMS 1/8-NR12	Manual Conversion Required
LTMS 1/8-NR13	Manual Conversion Required
LTMS 1/8-NR14	Manual Conversion Required
LTMS 3/16-48MM	Manual Conversion Required
LTMS 3/16-NR11	Manual Conversion Required
LTMS 3/16-NR12	Manual Conversion Required
LTMS 3/16-NR13	Manual Conversion Required
LTMS 3/16-NR14	Manual Conversion Required
LTMS 3/32-48MM	Manual Conversion Required

LTMS 3/32-NR11	Manual Conversion Required
LTMS 3/32-NR12	Manual Conversion Required
LTMS 3/32-NR13	Manual Conversion Required
LTMS 3/32-NR14	Manual Conversion Required
LTMS 3/4-42MM	Manual Conversion Required
LTMS 3/4-NR11	Manual Conversion Required
LTMS 3/4-NR12	Manual Conversion Required
LTMS 3/8-47MM	Manual Conversion Required
LTMS 3/8-NR11	Manual Conversion Required
LTMS 3/8-NR12	Manual Conversion Required
LTMS 3/8-NR13	Manual Conversion Required
LTMS 3/8-NR14	Manual Conversion Required
MMS 093-1.50	Manual Conversion Required
MMS 093-1.75	Manual Conversion Required
MMS 093-NO11	Manual Conversion Required
MMS 093-NO12	Manual Conversion Required
MMS 093-NO13	Manual Conversion Required
MMS 093-NO21	Manual Conversion Required
MMS 093-NO22	Manual Conversion Required
MMS 093-NO23	Manual Conversion Required
MMS 125-1.50	Manual Conversion Required
MMS 125-1.75	Manual Conversion Required
MMS 125-NO11	Manual Conversion Required
MMS 125-NO12	Manual Conversion Required
MMS 125-NO13	Manual Conversion Required
MMS 125-NO21	Manual Conversion Required
MMS 125-NO22	Manual Conversion Required
MMS 125-NO23	Manual Conversion Required
MMS 187-1.50	Manual Conversion Required
MMS 187-1.75	Manual Conversion Required
MMS 187-NO11	Manual Conversion Required
MMS 187-NO12	Manual Conversion Required
MMS 187-NO13	Manual Conversion Required
MMS 187-NO21	Manual Conversion Required
MMS 187-NO22	Manual Conversion Required
MMS 187-NO23	Manual Conversion Required
MMS 250-1.50	Manual Conversion Required
MMS 250-1.75	Manual Conversion Required
MMS 250-NO11	Manual Conversion Required
MMS 250-NO12	Manual Conversion Required
MMS 250-NO13	Manual Conversion Required
MMS 250-NO21	Manual Conversion Required
MMS 250-NO22	Manual Conversion Required
MMS 250-NO23	Manual Conversion Required
MMS 375-1.50	Manual Conversion Required
MMS 375-1.75	Manual Conversion Required
MMS 375-NO11	Manual Conversion Required
MMS 375-NO12	Manual Conversion Required
MMS 375-NO13	Manual Conversion Required
MMS 375-NO21	Manual Conversion Required
MMS 375-NO22	Manual Conversion Required
MMS 375-NO23	Manual Conversion Required
MMS 475-1.50	Manual Conversion Required
MMS 475-NO21	Manual Conversion Required
MMS 475-NO22	Manual Conversion Required
MMS 475-NO23	Manual Conversion Required
MMS 710-1.50	Manual Conversion Required
MMS 710-NO21	Manual Conversion Required
MMS 710-NO22	Manual Conversion Required
TMS 1.50-1.50	Manual Conversion Required

TMS 1/2-1.50	Manual Conversion Required
TMS 1/2-46MM	Manual Conversion Required
TMS 1/2-NO21	Manual Conversion Required
TMS 1/2-NO22	Manual Conversion Required
TMS 1/2-NO23	Manual Conversion Required
TMS 1/2-NR11	Manual Conversion Required
TMS 1/2-NR12	Manual Conversion Required
TMS 1/4-1.50	Manual Conversion Required
TMS 1/4-1.75	Manual Conversion Required
TMS 1/4-48MM	Manual Conversion Required
TMS 1/4-NO11	Manual Conversion Required
TMS 1/4-NO12	Manual Conversion Required
TMS 1/4-NO13	Manual Conversion Required
TMS 1/4-NO21	Manual Conversion Required
TMS 1/4-NO22	Manual Conversion Required
TMS 1/4-NO23	Manual Conversion Required
TMS 1/4-NR11	Manual Conversion Required
TMS 1/4-NR12	Manual Conversion Required
TMS 1/4-NR13	Manual Conversion Required
TMS 1/4-NR14	Manual Conversion Required
TMS 1/8-1.50	Manual Conversion Required
TMS 1/8-1.75	Manual Conversion Required
TMS 1/8-48MM	Manual Conversion Required
TMS 1/8-NO11	Manual Conversion Required
TMS 1/8-NO12	Manual Conversion Required
TMS 1/8-NO13	Manual Conversion Required
TMS 1/8-NO21	Manual Conversion Required
TMS 1/8-NO22	Manual Conversion Required
TMS 1/8-NO23	Manual Conversion Required
TMS 1/8-NR11	Manual Conversion Required
TMS 1/8-NR12	Manual Conversion Required
TMS 1/8-NR13	Manual Conversion Required
TMS 1/8-NR14	Manual Conversion Required
TMS 1_1/2-42MM	Manual Conversion Required
TMS 1_1/2-NR11	Manual Conversion Required
TMS 3/16-1.50	Manual Conversion Required
TMS 3/16-1.75	Manual Conversion Required
TMS 3/16-48MM	Manual Conversion Required
TMS 3/16-NO11	Manual Conversion Required
TMS 3/16-NO12	Manual Conversion Required
TMS 3/16-NO13	Manual Conversion Required
TMS 3/16-NO21	Manual Conversion Required
TMS 3/16-NO22	Manual Conversion Required
TMS 3/16-NO23	Manual Conversion Required
TMS 3/16-NR11	Manual Conversion Required
TMS 3/16-NR12	Manual Conversion Required
TMS 3/16-NR13	Manual Conversion Required
TMS 3/16-NR14	Manual Conversion Required
TMS 3/32-1.50	Manual Conversion Required
TMS 3/32-1.75	Manual Conversion Required
TMS 3/32-48MM	Manual Conversion Required
TMS 3/32-NO11	Manual Conversion Required
TMS 3/32-NO12	Manual Conversion Required
TMS 3/32-NO13	Manual Conversion Required
TMS 3/32-NO21	Manual Conversion Required
TMS 3/32-NO22	Manual Conversion Required
TMS 3/32-NO23	Manual Conversion Required
TMS 3/32-NR11	Manual Conversion Required
TMS 3/32-NR12	Manual Conversion Required
TMS 3/32-NR13	Manual Conversion Required

TMS 3/32-NR14	Manual Conversion Required
TMS 3/4-1.50	Manual Conversion Required
TMS 3/4-42MM	Manual Conversion Required
TMS 3/4-NO21	Manual Conversion Required
TMS 3/4-NO22	Manual Conversion Required
TMS 3/4-NO23	Manual Conversion Required
TMS 3/4-NR11	Manual Conversion Required
TMS 3/4-NR12	Manual Conversion Required
TMS 3/8-1.50	Manual Conversion Required
TMS 3/8-1.75	Manual Conversion Required
TMS 3/8-47MM	Manual Conversion Required
TMS 3/8-NO11	Manual Conversion Required
TMS 3/8-NO12	Manual Conversion Required
TMS 3/8-NO13	Manual Conversion Required
TMS 3/8-NO21	Manual Conversion Required
TMS 3/8-NO22	Manual Conversion Required
TMS 3/8-NO23	Manual Conversion Required
TMS 3/8-NR11	Manual Conversion Required
TMS 3/8-NR12	Manual Conversion Required
TMS 3/8-NR13	Manual Conversion Required
TMS 3/8-NR14	Manual Conversion Required
TMS 501-48MM	Manual Conversion Required
TMS 501-NR11	Manual Conversion Required
TMS 501-NR12	Manual Conversion Required
TMS 501-NR13	Manual Conversion Required
TMS 501-NR14	Manual Conversion Required
TMS-OX 1/4-1.50	Manual Conversion Required
TMS-OX 1/4-1.75	Manual Conversion Required
TMS-OX 1/4-NO11	Manual Conversion Required
TMS-OX 1/4-NO12	Manual Conversion Required
TMS-OX 1/4-NO21	Manual Conversion Required
TMS-OX 1/4-NO22	Manual Conversion Required
TMS-OX 1/4-NO23	Manual Conversion Required
TMS-OX 1/8-1.50	Manual Conversion Required
TMS-OX 1/8-1.75	Manual Conversion Required
TMS-OX 1/8-NO11	Manual Conversion Required
TMS-OX 1/8-NO12	Manual Conversion Required
TMS-OX 1/8-NO13	Manual Conversion Required
TMS-OX 1/8-NO21	Manual Conversion Required
TMS-OX 1/8-NO22	Manual Conversion Required
TMS-OX 1/8-NO23	Manual Conversion Required
TMS-OX 3/16-1.50	Manual Conversion Required
TMS-OX 3/16-1.75	Manual Conversion Required
TMS-OX 3/16-NO11	Manual Conversion Required
TMS-OX 3/16-NO12	Manual Conversion Required
TMS-OX 3/16-NO13	Manual Conversion Required
TMS-OX 3/16-NO21	Manual Conversion Required
TMS-OX 3/16-NO22	Manual Conversion Required
TMS-OX 3/16-NO23	Manual Conversion Required
TMS-OX 3/8-1.50	Manual Conversion Required
TMS-OX 3/8-NO21	Manual Conversion Required
TMS-OX 3/8-NO22	Manual Conversion Required
TMS-OX 3/8-NO23	Manual Conversion Required
TW-TMS 1/4-1.50	Manual Conversion Required
TW-TMS 1/4-1.75	Manual Conversion Required
TWTMS 1/4-48MM	Manual Conversion Required
TW-TMS 1/4-NO11	Manual Conversion Required
TW-TMS 1/4-NO12	Manual Conversion Required
TW-TMS 1/4-NO13	Manual Conversion Required
TW-TMS 1/4-NO21	Manual Conversion Required

TW-TMS 1/4-NO22	Manual Conversion Required
TW-TMS 1/4-NO23	Manual Conversion Required
TWTMS 1/4-NR11	Manual Conversion Required
TWTMS 1/4-NR12	Manual Conversion Required
TWTMS 1/4-NR13	Manual Conversion Required
TWTMS 1/4-NR14	Manual Conversion Required
TW-TMS 1/8-1.50	Manual Conversion Required
TW-TMS 1/8-1.75	Manual Conversion Required
TWTMS 1/8-48MM	Manual Conversion Required
TW-TMS 1/8-NO11	Manual Conversion Required
TW-TMS 1/8-NO12	Manual Conversion Required
TW-TMS 1/8-NO13	Manual Conversion Required
TW-TMS 1/8-NO21	Manual Conversion Required
TW-TMS 1/8-NO22	Manual Conversion Required
TW-TMS 1/8-NO23	Manual Conversion Required
TWTMS 1/8-NR11	Manual Conversion Required
TWTMS 1/8-NR12	Manual Conversion Required
TWTMS 1/8-NR13	Manual Conversion Required
TWTMS 1/8-NR14	Manual Conversion Required
TW-TMS 3/16-1.50	Manual Conversion Required
TW-TMS 3/16-1.75	Manual Conversion Required
TWTMS 3/16-48MM	Manual Conversion Required
TW-TMS 3/16-NO11	Manual Conversion Required
TW-TMS 3/16-NO12	Manual Conversion Required
TW-TMS 3/16-NO13	Manual Conversion Required
TW-TMS 3/16-NO21	Manual Conversion Required
TW-TMS 3/16-NO22	Manual Conversion Required
TW-TMS 3/16-NO23	Manual Conversion Required
TWTMS 3/16-NR11	Manual Conversion Required
TWTMS 3/16-NR12	Manual Conversion Required
TWTMS 3/16-NR13	Manual Conversion Required
TWTMS 3/16-NR14	Manual Conversion Required
TW-TMS 3/32-1.50	Manual Conversion Required
TW-TMS 3/32-1.75	Manual Conversion Required
TWTMS 3/32-48MM	Manual Conversion Required
TW-TMS 3/32-NO11	Manual Conversion Required
TW-TMS 3/32-NO12	Manual Conversion Required
TW-TMS 3/32-NO13	Manual Conversion Required
TW-TMS 3/32-NO21	Manual Conversion Required
TW-TMS 3/32-NO22	Manual Conversion Required
TW-TMS 3/32-NO23	Manual Conversion Required
TWTMS 3/32-NR11	Manual Conversion Required
TWTMS 3/32-NR12	Manual Conversion Required
TWTMS 3/32-NR13	Manual Conversion Required
TWTMS 3/32-NR14	Manual Conversion Required
Z-TMS 1/4-1.50	Manual Conversion Required
Z-TMS 1/4-1.75	Manual Conversion Required
Z-TMS 3/16-1.50	Manual Conversion Required
Z-TMS 3/16-1.75	Manual Conversion Required



# Obsolete System 90 Panel Marker Products

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The following Obsolete System 90 Panel Marker Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Option</b>
MMS-PMT .180	Manual Conversion Required
MMS-PMT .360	Manual Conversion Required
MMS-PMT .540	Manual Conversion Required
MMS-PMT .720	Manual Conversion Required
MMS-PMT 1.08	Manual Conversion Required
MMS-PMT 2.16	Manual Conversion Required
PMT .180	Manual Conversion Required
PMT .360	Manual Conversion Required
PMT .540	Manual Conversion Required
PMT .720	Manual Conversion Required
PMT 1.08	Manual Conversion Required
PMT 2.16	Manual Conversion Required
TMS-PMT 13.5MM	Manual Conversion Required
TMS-PMT 13.5MM-NR11	Manual Conversion Required
TMS-PMT 13.5MM-NR12	Manual Conversion Required
TMS-PMT 13.5MM-NR13	Manual Conversion Required
TMS-PMT 13.5MM-NR14	Manual Conversion Required
TMS-PMT 18.0MM	Manual Conversion Required
TMS-PMT 18.0MM-NR11	Manual Conversion Required
TMS-PMT 18.0MM-NR12	Manual Conversion Required
TMS-PMT 18.0MM-NR13	Manual Conversion Required
TMS-PMT 18.0MM-NR14	Manual Conversion Required
TMS-PMT 27.0MM	Manual Conversion Required
TMS-PMT 27.0MM-NR11	Manual Conversion Required
TMS-PMT 27.0MM-NR12	Manual Conversion Required
TMS-PMT 27.0MM-NR13	Manual Conversion Required
TMS-PMT 27.0MM-NR14	Manual Conversion Required
TMS-PMT 4.5MM	Manual Conversion Required
TMS-PMT 4.5MM-NR11	Manual Conversion Required
TMS-PMT 4.5MM-NR12	Manual Conversion Required
TMS-PMT 4.5MM-NR13	Manual Conversion Required
TMS-PMT 4.5MM-NR14	Manual Conversion Required
TMS-PMT 54.0MM	Manual Conversion Required
TMS-PMT 54.0MM-NR11	Manual Conversion Required
TMS-PMT 54.0MM-NR12	Manual Conversion Required
TMS-PMT 54.0MM-NR13	Manual Conversion Required
TMS-PMT 54.0MM-NR14	Manual Conversion Required
TMS-PMT 9.0MM	Manual Conversion Required
TMS-PMT 9.0MM-NR11	Manual Conversion Required
TMS-PMT 9.0MM-NR12	Manual Conversion Required
TMS-PMT 9.0MM-NR13	Manual Conversion Required
TMS-PMT 9.0MM-NR14	Manual Conversion Required



# Obsolete System 90 Cable Marker Products

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The following Obsolete System 90 Cable Marker Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Option</b>
CM 1/2-1.75	Manual Conversion Required
CM 1/4-1.75	Manual Conversion Required
HT-CM 1/2-1.75	Manual Conversion Required
HT-CM 1/4-1.75	Manual Conversion Required
HTMS 10-50MM	Manual Conversion Required
HTMS 20-50MM	Manual Conversion Required
MMS-CM 250	Manual Conversion Required
MMS-CM 500	Manual Conversion Required
TMS-CM 1/2-1.75	Manual Conversion Required
TMS-CM 1/4-1.75	Manual Conversion Required
TMS-CM 10-50MM	Manual Conversion Required
TMS-CM 10-NR11	Manual Conversion Required
TMS-CM 20-50MM	Manual Conversion Required
TMS-CM 20-NR11	Manual Conversion Required

# Obsolete System 90 Wraparound Products

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The following Obsolete System 90 Wraparound Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Option</b>
MMS-WM	Manual Conversion Required
TM-00	Manual Conversion Required
TM-1V	Manual Conversion Required
TM-2V	Manual Conversion Required
TMS-WM	Manual Conversion Required
WM	Manual Conversion Required

# Obsolete System 6 Sleeve Products

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The following Obsolete System 6 Sleeve Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Options</b>	<b>Auto Conversion Product</b>
A-SCE 12-50	Auto or Manual Conversion	D-SCE 12-50
A-SCE 12-50-S1	Auto or Manual Conversion	D-SCE 12-50-S1
A-SCE 12-50-S2	Auto or Manual Conversion	D-SCE 12-50-S2
A-SCE 12-50-S3	Auto or Manual Conversion	D-SCE 12-50-S3
A-SCE 18-50	Auto or Manual Conversion	D-SCE 18-50
A-SCE 18-50-S1	Auto or Manual Conversion	D-SCE 18-50-S1
A-SCE 18-50-S2	Auto or Manual Conversion	D-SCE 18-50-S2
A-SCE 18-50-S3	Auto or Manual Conversion	D-SCE 18-50-S3
A-SCE 2.4-50	Auto or Manual Conversion	D-SCE 2.4-50
A-SCE 2.4-50-S1	Auto or Manual Conversion	D-SCE 2.4-50-S1
A-SCE 2.4-50-S2	Auto or Manual Conversion	D-SCE 2.4-50-S2
A-SCE 2.4-50-S3	Auto or Manual Conversion	D-SCE 2.4-50-S3
A-SCE 25.4-50	Auto or Manual Conversion	D-SCE 25.4-50
A-SCE 25.4-50-S1	Auto or Manual Conversion	D-SCE 25.4-50-S1
A-SCE 25.4-50-S2	Auto or Manual Conversion	D-SCE 25.4-50-S2
A-SCE 25.4-50-S3	Auto or Manual Conversion	D-SCE 25.4-50-S3
A-SCE 3.2-50	Auto or Manual Conversion	D-SCE 3.2-50
A-SCE 3.2-50-S1	Auto or Manual Conversion	D-SCE 3.2-50-S1
A-SCE 3.2-50-S2	Auto or Manual Conversion	D-SCE 3.2-50-S2
A-SCE 3.2-50-S3	Auto or Manual Conversion	D-SCE 3.2-50-S3
A-SCE 38-50	Auto or Manual Conversion	D-SCE 38-50
A-SCE 38-50-S1	Auto or Manual Conversion	D-SCE 38-50-S1
A-SCE 38-50-S2	Auto or Manual Conversion	D-SCE 38-50-S2
A-SCE 38-50-S3	Auto or Manual Conversion	D-SCE 38-50-S3
A-SCE 4.8-50	Auto or Manual Conversion	D-SCE 4.8-50
A-SCE 4.8-50-S1	Auto or Manual Conversion	D-SCE 4.8-50-S1
A-SCE 4.8-50-S2	Auto or Manual Conversion	D-SCE 4.8-50-S2
A-SCE 4.8-50-S3	Auto or Manual Conversion	D-SCE 4.8-50-S3
A-SCE 6.4-50	Auto or Manual Conversion	D-SCE 6.4-50
A-SCE 6.4-50-S1	Auto or Manual Conversion	D-SCE 6.4-50-S1
A-SCE 6.4-50-S2	Auto or Manual Conversion	D-SCE 6.4-50-S2
A-SCE 6.4-50-S3	Auto or Manual Conversion	D-SCE 6.4-50-S3
A-SCE 9.5-50	Auto or Manual Conversion	D-SCE 9.5-50
A-SCE 9.5-50-S1	Auto or Manual Conversion	D-SCE 9.5-50-S1
A-SCE 9.5-50-S2	Auto or Manual Conversion	D-SCE 9.5-50-S2
A-SCE 9.5-50-S3	Auto or Manual Conversion	D-SCE 9.5-50-S3
D-SCE-CT 12	Auto or Manual Conversion	D-SCE-FLAT-SP 12
D-SCE-CT 18	Auto or Manual Conversion	D-SCE-FLAT-SP 18
D-SCE-CT 2.4	Auto or Manual Conversion	D-SCE-FLAT-SP 2.4
D-SCE-CT 25	Auto or Manual Conversion	D-SCE-FLAT-SP 25
D-SCE-CT 3.2	Auto or Manual Conversion	D-SCE-FLAT-SP 3.2
D-SCE-CT 4.8	Auto or Manual Conversion	D-SCE-FLAT-SP 4.8
D-SCE-CT 6.4	Auto or Manual Conversion	D-SCE-FLAT-SP 6.4
D-SCE-CT 9.5	Auto or Manual Conversion	D-SCE-FLAT-SP 9.5
HC 0241DS038	Auto or Manual Conversion	HC 0241DT038

HC 0241DS050	Auto or Manual Conversion	HC 0241DT050
HC 0241NF038	Auto or Manual Conversion	HC 0241TS038
HC 0241NF044	Manual Conversion Required	
HC 0241NF050	Auto or Manual Conversion	HC 0241TS050
HC 0241WF152	Manual Conversion Required	
HC 0242DS038	Auto or Manual Conversion	HC 0242DT038
HC 0242DS050	Auto or Manual Conversion	HC 0242DT050
HC 0242NF038	Auto or Manual Conversion	HC 0242TS038
HC 0242NF044	Manual Conversion Required	
HC 0242NF050	Auto or Manual Conversion	HC 0242TS050
HC 0242WF152	Manual Conversion Required	
HC 0243DS038	Auto or Manual Conversion	HC 0243DT038
HC 0243DS050	Auto or Manual Conversion	HC 0243DT050
HC 0243NF038	Auto or Manual Conversion	HC 0243TS038
HC 0243NF044	Manual Conversion Required	
HC 0243NF050	Auto or Manual Conversion	HC 0243TS050
HC 0243WF152	Manual Conversion Required	
HC 0244DS038	Auto or Manual Conversion	HC 0244DT038
HC 0244DS050	Auto or Manual Conversion	HC 0244DT050
HC 0244NF038	Auto or Manual Conversion	HC 0244TS038
HC 0244NF050	Auto or Manual Conversion	HC 0244TS050
HC 0244WF152	Manual Conversion Required	
HC 0245DS050	Auto or Manual Conversion	HC 0245DT050
HC 0245NF050	Auto or Manual Conversion	HC 0245TS050
HC 0246WF152	Manual Conversion Required	
HC 0301DS038	Auto or Manual Conversion	HC 0301DT038
HC 0301DS050	Auto or Manual Conversion	HC 0301DT050
HC 0301NF038	Auto or Manual Conversion	HC 0301TS038
HC 0301NF044	Manual Conversion Required	
HC 0301NF050	Auto or Manual Conversion	HC 0301TS050
HC 0301WF152	Manual Conversion Required	
HC 0302DS038	Auto or Manual Conversion	HC 0302DT038
HC 0302DS050	Auto or Manual Conversion	HC 0302DT050
HC 0302NF038	Auto or Manual Conversion	HC 0302TS038
HC 0302NF044	Manual Conversion Required	
HC 0302NF050	Auto or Manual Conversion	HC 0302TS050
HC 0302WF152	Manual Conversion Required	
HC 0303DS038	Auto or Manual Conversion	HC 0303DT038
HC 0303DS050	Auto or Manual Conversion	HC 0303DT050
HC 0303NF038	Auto or Manual Conversion	HC 0303TS038
HC 0303NF044	Manual Conversion Required	
HC 0303NF050	Auto or Manual Conversion	HC 0303TS050
HC 0303WF152	Manual Conversion Required	
HC 0304DS038	Auto or Manual Conversion	HC 0304DT038
HC 0304DS050	Auto or Manual Conversion	HC 0304DT050
HC 0304NF038	Auto or Manual Conversion	HC 0304TS038
HC 0304NF050	Auto or Manual Conversion	HC 0304TS050
HC 0304WF152	Manual Conversion Required	
HC 0306WF152	Manual Conversion Required	
HC 0501DS038	Auto or Manual Conversion	HC 0501DT038
HC 0501DS050	Auto or Manual Conversion	HC 0501DT050
HC 0501NF038	Auto or Manual Conversion	HC 0501TS038
HC 0501NF044	Manual Conversion Required	
HC 0501NF050	Auto or Manual Conversion	HC 0501TS050
HC 0501WF152	Manual Conversion Required	
HC 0502DS038	Auto or Manual Conversion	HC 0502DT038
HC 0502DS050	Auto or Manual Conversion	HC 0502DT050
HC 0502NF038	Auto or Manual Conversion	HC 0502TS038
HC 0502NF044	Manual Conversion Required	
HC 0502NF050	Auto or Manual Conversion	HC 0502TS050

HC 0502WF152	Manual Conversion Required	
HC 0503DS038	Auto or Manual Conversion	HC 0503DT038
HC 0503DS050	Auto or Manual Conversion	HC 0503DT050
HC 0503NF038	Auto or Manual Conversion	HC 0503TS038
HC 0503NF044	Manual Conversion Required	
HC 0503NF050	Auto or Manual Conversion	HC 0503TS050
HC 0503WF152	Manual Conversion Required	
HC 0504DS038	Auto or Manual Conversion	HC 0504DT038
HC 0504DS050	Auto or Manual Conversion	HC 0504DT050
HC 0504NF038	Auto or Manual Conversion	HC 0504TS038
HC 0504NF050	Auto or Manual Conversion	HC 0504TS050
HC 0504WF152	Manual Conversion Required	
HC 0506WF152	Manual Conversion Required	
HC 0601DS038	Auto or Manual Conversion	HC 0601DT038
HC 0601DS050	Auto or Manual Conversion	HC 0601DT050
HC 0601NF038	Auto or Manual Conversion	HC 0601TS038
HC 0601NF044	Manual Conversion Required	
HC 0601NF050	Auto or Manual Conversion	HC 0601TS050
HC 0601WF152	Manual Conversion Required	
HC 0602DS038	Auto or Manual Conversion	HC 0602DT038
HC 0602DS050	Auto or Manual Conversion	HC 0602DT050
HC 0602NF038	Auto or Manual Conversion	HC 0602TS038
HC 0602NF044	Manual Conversion Required	
HC 0602NF050	Auto or Manual Conversion	HC 0602TS050
HC 0602WF152	Manual Conversion Required	
HC 0603DS038	Auto or Manual Conversion	HC 0603DT038
HC 0603DS050	Auto or Manual Conversion	HC 0603DT050
HC 0603NF038	Auto or Manual Conversion	HC 0603TS038
HC 0603NF044	Manual Conversion Required	
HC 0603NF050	Auto or Manual Conversion	HC 0603TS050
HC 0603WF152	Manual Conversion Required	
HC 0604DS038	Auto or Manual Conversion	HC 0604DT038
HC 0604DS050	Auto or Manual Conversion	HC 0604DT050
HC 0604NF038	Auto or Manual Conversion	HC 0604TS038
HC 0604NF050	Auto or Manual Conversion	HC 0604TS050
HC 0604WF152	Manual Conversion Required	
HC 0606WF152	Manual Conversion Required	
HC 0901DS038	Auto or Manual Conversion	HC 0901DT038
HC 0901DS050	Auto or Manual Conversion	HC 0901DT050
HC 0901NF038	Auto or Manual Conversion	HC 0901TS038
HC 0901NF044	Manual Conversion Required	
HC 0901NF050	Auto or Manual Conversion	HC 0901TS050
HC 0901WF152	Manual Conversion Required	
HC 0902DS038	Auto or Manual Conversion	HC 0902DT038
HC 0902DS050	Auto or Manual Conversion	HC 0902DT050
HC 0902NF038	Auto or Manual Conversion	HC 0902TS038
HC 0902NF044	Manual Conversion Required	
HC 0902NF050	Auto or Manual Conversion	HC 0902TS050
HC 0902WF152	Manual Conversion Required	
HC 0903DS038	Auto or Manual Conversion	HC 0903DT038
HC 0903DS050	Auto or Manual Conversion	HC 0903DT050
HC 0903NF038	Auto or Manual Conversion	HC 0903TS038
HC 0903NF044	Manual Conversion Required	
HC 0903NF050	Auto or Manual Conversion	HC 0903TS050
HC 0903WF152	Manual Conversion Required	
HC 0904DS038	Auto or Manual Conversion	HC 0904DT038
HC 0904DS050	Auto or Manual Conversion	HC 0904DT050
HC 0904NF038	Auto or Manual Conversion	HC 0904TS038
HC 0904NF050	Auto or Manual Conversion	HC 0904TS050
HC 0904WF152	Manual Conversion Required	

HC 0906WF152	Manual Conversion Required	
HC 1201DS038	Auto or Manual Conversion	HC 1201DT038
HC 1201DS050	Auto or Manual Conversion	HC 1201DT050
HC 1201NF038	Auto or Manual Conversion	HC 1201TS038
HC 1201NF044	Manual Conversion Required	
HC 1201NF050	Auto or Manual Conversion	HC 1201TS050
HC 1201WF152	Manual Conversion Required	
HC 1202DS038	Auto or Manual Conversion	HC 1202DT038
HC 1202DS050	Auto or Manual Conversion	HC 1202DT050
HC 1202NF038	Auto or Manual Conversion	HC 1202TS038
HC 1202NF044	Manual Conversion Required	
HC 1202NF050	Auto or Manual Conversion	HC 1202TS050
HC 1202WF152	Manual Conversion Required	
HC 1203DS038	Auto or Manual Conversion	HC 1203DT038
HC 1203DS050	Auto or Manual Conversion	HC 1203DT050
HC 1203NF038	Auto or Manual Conversion	HC 1203TS038
HC 1203NF044	Manual Conversion Required	
HC 1203NF050	Auto or Manual Conversion	HC 1203TS050
HC 1203WF152	Manual Conversion Required	
HC 1204DS038	Auto or Manual Conversion	HC 1204DT038
HC 1204DS050	Auto or Manual Conversion	HC 1204DT050
HC 1204NF038	Auto or Manual Conversion	HC 1204TS038
HC 1204NF050	Auto or Manual Conversion	HC 1204TS050
HC 1204WF152	Manual Conversion Required	
HC 1206WF152	Manual Conversion Required	
HC 1801DS038	Auto or Manual Conversion	HC 1801DT038
HC 1801DS050	Auto or Manual Conversion	HC 1801DT050
HC 1801NF038	Auto or Manual Conversion	HC 1801TS038
HC 1801NF044	Manual Conversion Required	
HC 1801NF050	Auto or Manual Conversion	HC 1801TS050
HC 1801WF152	Manual Conversion Required	
HC 1802DS038	Auto or Manual Conversion	HC 1802DT038
HC 1802DS050	Auto or Manual Conversion	HC 1802DT050
HC 1802NF038	Auto or Manual Conversion	HC 1802TS038
HC 1802NF044	Manual Conversion Required	
HC 1802NF050	Auto or Manual Conversion	HC 1802TS050
HC 1802WF152	Manual Conversion Required	
HC 1803DS038	Auto or Manual Conversion	HC 1803DT038
HC 1803DS050	Auto or Manual Conversion	HC 1803DT050
HC 1803NF038	Auto or Manual Conversion	HC 1803TS038
HC 1803NF044	Manual Conversion Required	
HC 1803NF050	Auto or Manual Conversion	HC 1803TS050
HC 1803WF152	Manual Conversion Required	
HC 1804DS038	Auto or Manual Conversion	HC 1804DT038
HC 1804DS050	Auto or Manual Conversion	HC 1804DT050
HC 1804NF038	Auto or Manual Conversion	HC 1804TS038
HC 1804NF050	Auto or Manual Conversion	HC 1804TS050
HC 1804WF152	Manual Conversion Required	
HC 1806WF152	Manual Conversion Required	
HC 2401DS038	Auto or Manual Conversion	HC 2401DT038
HC 2401DS050	Auto or Manual Conversion	HC 2401DT050
HC 2401NF038	Auto or Manual Conversion	HC 2401TS038
HC 2401NF044	Manual Conversion Required	
HC 2401NF050	Auto or Manual Conversion	HC 2401TS050
HC 2401WF152	Manual Conversion Required	
HC 2402DS038	Auto or Manual Conversion	HC 2402DT038
HC 2402DS050	Auto or Manual Conversion	HC 2402DT050
HC 2402NF038	Auto or Manual Conversion	HC 2402TS038
HC 2402NF044	Manual Conversion Required	
HC 2402NF050	Auto or Manual Conversion	HC 2402TS050



HC 2402WF152	Manual Conversion Required	
HC 2403DS038	Auto or Manual Conversion	HC 2403DT038
HC 2403DS050	Auto or Manual Conversion	HC 2403DT050
HC 2403NF038	Auto or Manual Conversion	HC 2403TS038
HC 2403NF044	Manual Conversion Required	
HC 2403NF050	Auto or Manual Conversion	HC 2403TS050
HC 2403WF152	Manual Conversion Required	
HC 2404DS038	Auto or Manual Conversion	HC 2404DT038
HC 2404DS050	Auto or Manual Conversion	HC 2404DT050
HC 2404NF038	Auto or Manual Conversion	HC 2404TS038
HC 2404NF050	Auto or Manual Conversion	HC 2404TS050
HC 2404WF152	Manual Conversion Required	
HC 2406WF152	Manual Conversion Required	
HC 3901DS038	Auto or Manual Conversion	HC 3901DT038
HC 3901DS050	Auto or Manual Conversion	HC 3901DT050
HC 3901NF038	Auto or Manual Conversion	HC 3901TS038
HC 3901NF044	Manual Conversion Required	
HC 3901NF050	Auto or Manual Conversion	HC 3901TS050
HC 3901WF152	Manual Conversion Required	
HC 3902DS038	Auto or Manual Conversion	HC 3902DT038
HC 3902DS050	Auto or Manual Conversion	HC 3902DT050
HC 3902NF038	Auto or Manual Conversion	HC 3902TS038
HC 3902NF044	Manual Conversion Required	
HC 3902NF050	Auto or Manual Conversion	HC 3902TS050
HC 3902WF152	Manual Conversion Required	
HC 3903DS038	Auto or Manual Conversion	HC 3903DT038
HC 3903DS050	Auto or Manual Conversion	HC 3903DT050
HC 3903NF038	Auto or Manual Conversion	HC 3903TS038
HC 3903NF044	Manual Conversion Required	
HC 3903NF050	Auto or Manual Conversion	HC 3903TS050
HC 3903WF152	Manual Conversion Required	
HC 3904DS038	Auto or Manual Conversion	HC 3904DT038
HC 3904DS050	Auto or Manual Conversion	HC 3904DT050
HC 3904NF038	Auto or Manual Conversion	HC 3904TS038
HC 3904NF050	Auto or Manual Conversion	HC 3904TS050
HC 3904WF152	Manual Conversion Required	
HC 3906WF152	Manual Conversion Required	
HC 5721NF038	Manual Conversion Required	
HC 5721NF044	Manual Conversion Required	
HC 5721NF050	Manual Conversion Required	
HC 5721WF152	Manual Conversion Required	
HC 5722NF038	Manual Conversion Required	
HC 5722NF044	Manual Conversion Required	
HC 5722NF050	Manual Conversion Required	
HC 5722WF152	Manual Conversion Required	
HC 5723NF038	Manual Conversion Required	
HC 5723NF044	Manual Conversion Required	
HC 5723NF050	Manual Conversion Required	
HC 5723WF152	Manual Conversion Required	
HC 5724NF038	Manual Conversion Required	
HC 5724NF050	Manual Conversion Required	
HC 5724WF152	Manual Conversion Required	
HC 5726WF152	Manual Conversion Required	
HC-SCE 572-50	Manual Conversion Required	
HK 0321NF038	Manual Conversion Required	
HK 0321NF044	Manual Conversion Required	
HK 0321NF050	Manual Conversion Required	
HK 0321NF075	Manual Conversion Required	
HK 0322NF038	Manual Conversion Required	
HK 0322NF044	Manual Conversion Required	

HK 0322NF050	Manual Conversion Required
HK 0323NF038	Manual Conversion Required
HK 0323NF044	Manual Conversion Required
HK 0323NF050	Manual Conversion Required
HK 0324NF038	Manual Conversion Required
HK 0324NF050	Manual Conversion Required
HK 0481NF038	Manual Conversion Required
HK 0481NF044	Manual Conversion Required
HK 0481NF050	Manual Conversion Required
HK 0481NF075	Manual Conversion Required
HK 0482NF038	Manual Conversion Required
HK 0482NF044	Manual Conversion Required
HK 0482NF050	Manual Conversion Required
HK 0483NF038	Manual Conversion Required
HK 0483NF044	Manual Conversion Required
HK 0483NF050	Manual Conversion Required
HK 0484NF038	Manual Conversion Required
HK 0484NF050	Manual Conversion Required
HK 0641NF038	Manual Conversion Required
HK 0641NF044	Manual Conversion Required
HK 0641NF050	Manual Conversion Required
HK 0641NF075	Manual Conversion Required
HK 0642NF038	Manual Conversion Required
HK 0642NF044	Manual Conversion Required
HK 0642NF050	Manual Conversion Required
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HK 0643NF044	Manual Conversion Required
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HK 0644NF038	Manual Conversion Required
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HK 0951NF038	Manual Conversion Required
HK 0951NF044	Manual Conversion Required
HK 0951NF050	Manual Conversion Required
HK 0951NF075	Manual Conversion Required
HK 0952NF038	Manual Conversion Required
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HK 1273NF044	Manual Conversion Required
HK 1273NF050	Manual Conversion Required
HK 1274NF038	Manual Conversion Required
HK 1274NF050	Manual Conversion Required
HK 1901NF038	Manual Conversion Required
HK 1901NF044	Manual Conversion Required
HK 1901NF050	Manual Conversion Required
HK 1901NF075	Manual Conversion Required
HK 1902NF038	Manual Conversion Required
HK 1902NF044	Manual Conversion Required

HK 1902NF050	Manual Conversion Required	
HK 1903NF038	Manual Conversion Required	
HK 1903NF044	Manual Conversion Required	
HK 1903NF050	Manual Conversion Required	
HK 1904NF038	Manual Conversion Required	
HK 1904NF050	Manual Conversion Required	
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HK 5081NF075	Manual Conversion Required	
HK 5082NF038	Manual Conversion Required	
HK 5082NF044	Manual Conversion Required	
HK 5082NF050	Manual Conversion Required	
HK 5083NF038	Manual Conversion Required	
HK 5083NF044	Manual Conversion Required	
HK 5083NF050	Manual Conversion Required	
HK 5084NF038	Manual Conversion Required	
HK 5084NF050	Manual Conversion Required	
HS 0321DS038	Auto or Manual Conversion	HS 0321DT038
HS 0321DS050	Auto or Manual Conversion	HS 0321DT050
HS 0321NF038	Auto or Manual Conversion	HS 0321TS038
HS 0321NF044	Manual Conversion Required	
HS 0321NF050	Auto or Manual Conversion	HS 0321TS050
HS 0321NF075	Auto or Manual Conversion	HS 0321TS075
HS 0321WF152	Manual Conversion Required	
HS 0322DS038	Auto or Manual Conversion	HS 0322DT038
HS 0322DS050	Auto or Manual Conversion	HS 0322DT050
HS 0322NF038	Auto or Manual Conversion	HS 0322TS038
HS 0322NF044	Manual Conversion Required	
HS 0322NF050	Auto or Manual Conversion	HS 0322TS050
HS 0322WF152	Manual Conversion Required	
HS 0323DS038	Auto or Manual Conversion	HS 0323DT038
HS 0323DS050	Auto or Manual Conversion	HS 0323DT050
HS 0323NF038	Auto or Manual Conversion	HS 0323TS038
HS 0323NF044	Manual Conversion Required	
HS 0323NF050	Auto or Manual Conversion	HS 0323TS050

HS 0323WF152	Manual Conversion Required	
HS 0324DS038	Auto or Manual Conversion	HS 0324DT038
HS 0324DS050	Auto or Manual Conversion	HS 0324DT050
HS 0324NF038	Auto or Manual Conversion	HS 0324TS038
HS 0324NF050	Auto or Manual Conversion	HS 0324TS050
HS 0324WF152	Manual Conversion Required	
HS 0326WF152	Manual Conversion Required	
HS 0481DS038	Auto or Manual Conversion	HS 0481DT038
HS 0481DS050	Auto or Manual Conversion	HS 0481DT050
HS 0481NF038	Auto or Manual Conversion	HS 0481TS038
HS 0481NF044	Manual Conversion Required	
HS 0481NF050	Auto or Manual Conversion	HS 0481TS050
HS 0481NF075	Auto or Manual Conversion	HS 0481TS075
HS 0481WF152	Manual Conversion Required	
HS 0482DS038	Auto or Manual Conversion	HS 0482DT038
HS 0482DS050	Auto or Manual Conversion	HS 0482DT050
HS 0482NF038	Auto or Manual Conversion	HS 0482TS038
HS 0482NF044	Manual Conversion Required	
HS 0482NF050	Auto or Manual Conversion	HS 0482TS050
HS 0482WF152	Manual Conversion Required	
HS 0483DS038	Auto or Manual Conversion	HS 0483DT038
HS 0483DS050	Auto or Manual Conversion	HS 0483DT050
HS 0483NF038	Auto or Manual Conversion	HS 0483TS038
HS 0483NF044	Manual Conversion Required	
HS 0483NF050	Auto or Manual Conversion	HS 0483TS050
HS 0483WF152	Manual Conversion Required	
HS 0484DS038	Auto or Manual Conversion	HS 0484DT038
HS 0484DS050	Auto or Manual Conversion	HS 0484DT050
HS 0484NF038	Auto or Manual Conversion	HS 0484TS038
HS 0484NF050	Auto or Manual Conversion	HS 0484TS050
HS 0484WF152	Manual Conversion Required	
HS 0486WF152	Manual Conversion Required	
HS 0641DS038	Auto or Manual Conversion	HS 0641DT038
HS 0641DS050	Auto or Manual Conversion	HS 0641DT050
HS 0641NF038	Auto or Manual Conversion	HS 0641TS038
HS 0641NF044	Manual Conversion Required	
HS 0641NF050	Auto or Manual Conversion	HS 0641TS050
HS 0641NF075	Auto or Manual Conversion	HS 0641TS075
HS 0641WF152	Manual Conversion Required	
HS 0642DS038	Auto or Manual Conversion	HS 0642DT038
HS 0642DS050	Auto or Manual Conversion	HS 0642DT050
HS 0642NF038	Auto or Manual Conversion	HS 0642TS038
HS 0642NF044	Manual Conversion Required	
HS 0642NF050	Auto or Manual Conversion	HS 0642TS050
HS 0642WF152	Manual Conversion Required	
HS 0643DS038	Auto or Manual Conversion	HS 0643DT038
HS 0643DS050	Auto or Manual Conversion	HS 0643DT050
HS 0643NF038	Auto or Manual Conversion	HS 0643TS038
HS 0643NF044	Manual Conversion Required	
HS 0643NF050	Auto or Manual Conversion	HS 0643TS050
HS 0643WF152	Manual Conversion Required	
HS 0644DS038	Auto or Manual Conversion	HS 0644DT038
HS 0644DS050	Auto or Manual Conversion	HS 0644DT050
HS 0644NF038	Auto or Manual Conversion	HS 0644TS038
HS 0644NF050	Auto or Manual Conversion	HS 0644TS050
HS 0644WF152	Manual Conversion Required	
HS 0646WF152	Manual Conversion Required	
HS 0951DS038	Auto or Manual Conversion	HS 0951DT038
HS 0951DS050	Auto or Manual Conversion	HS 0951DT050
HS 0951NF038	Auto or Manual Conversion	HS 0951TS038

HS 0951NF044	Manual Conversion Required	
HS 0951NF050	Auto or Manual Conversion	HS 0951TS050
HS 0951NF075	Auto or Manual Conversion	HS 0951TS075
HS 0951WF152	Manual Conversion Required	
HS 0952DS038	Auto or Manual Conversion	HS 0952DT038
HS 0952DS050	Auto or Manual Conversion	HS 0952DT050
HS 0952NF038	Auto or Manual Conversion	HS 0952TS038
HS 0952NF044	Manual Conversion Required	
HS 0952NF050	Auto or Manual Conversion	HS 0952TS050
HS 0952WF152	Manual Conversion Required	
HS 0953DS038	Auto or Manual Conversion	HS 0953DT038
HS 0953DS050	Auto or Manual Conversion	HS 0953DT050
HS 0953NF038	Auto or Manual Conversion	HS 0953TS038
HS 0953NF044	Manual Conversion Required	
HS 0953NF050	Auto or Manual Conversion	HS 0953TS050
HS 0953WF152	Manual Conversion Required	
HS 0954DS038	Auto or Manual Conversion	HS 0954DT038
HS 0954DS050	Auto or Manual Conversion	HS 0954DT050
HS 0954NF038	Auto or Manual Conversion	HS 0954TS038
HS 0954NF050	Auto or Manual Conversion	HS 0954TS050
HS 0954WF152	Manual Conversion Required	
HS 0956WF152	Manual Conversion Required	
HS 1271DS038	Auto or Manual Conversion	HS 1271DT038
HS 1271DS050	Auto or Manual Conversion	HS 1271DT050
HS 1271NF038	Auto or Manual Conversion	HS 1271TS038
HS 1271NF044	Manual Conversion Required	
HS 1271NF050	Auto or Manual Conversion	HS 1271TS050
HS 1271NF075	Auto or Manual Conversion	HS 1271TS075
HS 1271WF152	Manual Conversion Required	
HS 1272DS038	Auto or Manual Conversion	HS 1272DT038
HS 1272DS050	Auto or Manual Conversion	HS 1272DT050
HS 1272NF038	Auto or Manual Conversion	HS 1272TS038
HS 1272NF044	Manual Conversion Required	
HS 1272NF050	Auto or Manual Conversion	HS 1272TS050
HS 1272WF152	Manual Conversion Required	
HS 1273DS038	Auto or Manual Conversion	HS 1273DT038
HS 1273DS050	Auto or Manual Conversion	HS 1273DT050
HS 1273NF038	Auto or Manual Conversion	HS 1273TS038
HS 1273NF044	Manual Conversion Required	
HS 1273NF050	Auto or Manual Conversion	HS 1273TS050
HS 1273WF152	Manual Conversion Required	
HS 1274DS038	Auto or Manual Conversion	HS 1274DT038
HS 1274DS050	Auto or Manual Conversion	HS 1274DT050
HS 1274NF038	Auto or Manual Conversion	HS 1274TS038
HS 1274NF050	Auto or Manual Conversion	HS 1274TS050
HS 1274WF152	Manual Conversion Required	
HS 1276WF152	Manual Conversion Required	
HS 1901DS038	Auto or Manual Conversion	HS 1901DT038
HS 1901DS050	Auto or Manual Conversion	HS 1901DT050
HS 1901NF038	Auto or Manual Conversion	HS 1901TS038
HS 1901NF044	Manual Conversion Required	
HS 1901NF050	Auto or Manual Conversion	HS 1901TS050
HS 1901NF075	Auto or Manual Conversion	HS 1901TS075
HS 1901WF152	Manual Conversion Required	
HS 1902DS038	Auto or Manual Conversion	HS 1902DT038
HS 1902DS050	Auto or Manual Conversion	HS 1902DT050
HS 1902NF038	Auto or Manual Conversion	HS 1902TS038
HS 1902NF044	Manual Conversion Required	
HS 1902NF050	Auto or Manual Conversion	HS 1902TS050
HS 1902WF152	Manual Conversion Required	

HS 1903DS038	Auto or Manual Conversion	HS 1903DT038
HS 1903DS050	Auto or Manual Conversion	HS 1903DT050
HS 1903NF038	Auto or Manual Conversion	HS 1903TS038
HS 1903NF044	Manual Conversion Required	
HS 1903NF050	Auto or Manual Conversion	HS 1903TS050
HS 1903WF152	Manual Conversion Required	
HS 1904DS038	Auto or Manual Conversion	HS 1904DT038
HS 1904DS050	Auto or Manual Conversion	HS 1904DT050
HS 1904NF038	Auto or Manual Conversion	HS 1904TS038
HS 1904NF050	Auto or Manual Conversion	HS 1904TS050
HS 1904WF152	Manual Conversion Required	
HS 1906WF152	Manual Conversion Required	
HS 2541DS038	Auto or Manual Conversion	HS 2541DT038
HS 2541DS050	Auto or Manual Conversion	HS 2541DT050
HS 2541NF038	Auto or Manual Conversion	HS 2541TS038
HS 2541NF044	Manual Conversion Required	
HS 2541NF050	Auto or Manual Conversion	HS 2541TS050
HS 2541NF075	Auto or Manual Conversion	HS 2541TS075
HS 2541WF152	Manual Conversion Required	
HS 2542DS038	Auto or Manual Conversion	HS 2542DT038
HS 2542DS050	Auto or Manual Conversion	HS 2542DT050
HS 2542NF038	Auto or Manual Conversion	HS 2542TS038
HS 2542NF044	Manual Conversion Required	
HS 2542NF050	Auto or Manual Conversion	HS 2542TS050
HS 2542WF152	Manual Conversion Required	
HS 2543DS038	Auto or Manual Conversion	HS 2543DT038
HS 2543DS050	Auto or Manual Conversion	HS 2543DT050
HS 2543NF038	Auto or Manual Conversion	HS 2543TS038
HS 2543NF044	Manual Conversion Required	
HS 2543NF050	Auto or Manual Conversion	HS 2543TS050
HS 2543WF152	Manual Conversion Required	
HS 2544DS038	Auto or Manual Conversion	HS 2544DT038
HS 2544DS050	Auto or Manual Conversion	HS 2544DT050
HS 2544NF038	Auto or Manual Conversion	HS 2544TS038
HS 2544NF050	Auto or Manual Conversion	HS 2544TS050
HS 2544WF152	Manual Conversion Required	
HS 2546WF152	Manual Conversion Required	
HS 3811DS038	Auto or Manual Conversion	HS 3811DT038
HS 3811DS050	Auto or Manual Conversion	HS 3811DT050
HS 3811NF038	Auto or Manual Conversion	HS 3811TS038
HS 3811NF044	Manual Conversion Required	
HS 3811NF050	Auto or Manual Conversion	HS 3811TS050
HS 3811NF075	Auto or Manual Conversion	HS 3811TS075
HS 3811WF152	Manual Conversion Required	
HS 3812DS038	Auto or Manual Conversion	HS 3812DT038
HS 3812DS050	Auto or Manual Conversion	HS 3812DT050
HS 3812NF038	Auto or Manual Conversion	HS 3812TS038
HS 3812NF044	Manual Conversion Required	
HS 3812NF050	Auto or Manual Conversion	HS 3812TS050
HS 3812WF152	Manual Conversion Required	
HS 3813DS038	Auto or Manual Conversion	HS 3813DT038
HS 3813DS050	Auto or Manual Conversion	HS 3813DT050
HS 3813NF038	Auto or Manual Conversion	HS 3813TS038
HS 3813NF044	Manual Conversion Required	
HS 3813NF050	Auto or Manual Conversion	HS 3813TS050
HS 3813WF152	Manual Conversion Required	
HS 3814DS038	Auto or Manual Conversion	HS 3814DT038
HS 3814DS050	Auto or Manual Conversion	HS 3814DT050
HS 3814NF038	Auto or Manual Conversion	HS 3814TS038
HS 3814NF050	Auto or Manual Conversion	HS 3814TS050

HS 3814WF152	Manual Conversion Required	
HS 3816WF152	Manual Conversion Required	
HS 5081NF038	Manual Conversion Required	
HS 5081NF044	Manual Conversion Required	
HS 5081NF050	Manual Conversion Required	
HS 5081NF075	Manual Conversion Required	
HS 5081WF152	Manual Conversion Required	
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HS 5082NF044	Manual Conversion Required	
HS 5082NF050	Manual Conversion Required	
HS 5082WF152	Manual Conversion Required	
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HS 5083NF050	Manual Conversion Required	
HS 5083WF152	Manual Conversion Required	
HS 5084NF038	Manual Conversion Required	
HS 5084NF050	Manual Conversion Required	
HS 5084WF152	Manual Conversion Required	
HS 5086WF152	Manual Conversion Required	
HS 7621WF152	Manual Conversion Required	
HS 7622WF152	Manual Conversion Required	
HS 7623WF152	Manual Conversion Required	
HS 7624WF152	Manual Conversion Required	
HS 7626WF152	Manual Conversion Required	
HX 0321DS038	Auto or Manual Conversion	HS 0321DT038
HX 0321NF038	Auto or Manual Conversion	HS 0321TS038
HX 0321NF044	Manual Conversion Required	
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HX 0322NF038	Auto or Manual Conversion	HS 0322TS038
HX 0322NF044	Manual Conversion Required	
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HX 0323DS038	Auto or Manual Conversion	HS 0323DT038
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HX 0323NF038	Auto or Manual Conversion	HS 0323TS038
HX 0323NF044	Manual Conversion Required	
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HX 0324DS038	Auto or Manual Conversion	HS 0324DT038
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HX 0324NF038	Auto or Manual Conversion	HS 0324TS038
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HX 0481NF038	Auto or Manual Conversion	HS 0481TS038
HX 0481NF044	Manual Conversion Required	
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HX 0481NF075	Manual Conversion Required	
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HX 0482NF038	Auto or Manual Conversion	HS 0482TS038
HX 0482NF044	Manual Conversion Required	
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HX 0483DS038	Auto or Manual Conversion	HS 0483DT038
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HX 0483NF038	Auto or Manual Conversion	HS 0483TS038
HX 0483NF044	Manual Conversion Required	
HX 0483NF050	Auto or Manual Conversion	HS 0483TS050
HX 0484DS038	Auto or Manual Conversion	HS 0484DT038
HX 0484DS050	Auto or Manual Conversion	HS 0484DT050
HX 0484NF038	Auto or Manual Conversion	HS 0484TS038
HX 0484NF050	Auto or Manual Conversion	HS 0484TS050

HX 0641DS038	Auto or Manual Conversion	HS 0641DT038
HX 0641NF038	Auto or Manual Conversion	HS 0641TS038
HX 0641NF044	Manual Conversion Required	
HX 0641NF050	Auto or Manual Conversion	HS 0641TS050
HX 0641NF075	Manual Conversion Required	
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HX 0642NF038	Auto or Manual Conversion	HS 0642TS038
HX 0642NF044	Manual Conversion Required	
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HX 0643DS050	Auto or Manual Conversion	HS 0643DT050
HX 0643NF038	Auto or Manual Conversion	HS 0643TS038
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HX 0644DS038	Auto or Manual Conversion	HS 0644DT038
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HX 0644NF038	Auto or Manual Conversion	HS 0644TS038
HX 0644NF050	Auto or Manual Conversion	HS 0644TS050
HX 0951DS038	Auto or Manual Conversion	HS 0951DT038
HX 0951NF038	Auto or Manual Conversion	HS 0951TS038
HX 0951NF044	Manual Conversion Required	
HX 0951NF050	Auto or Manual Conversion	HS 0951TS050
HX 0951NF075	Manual Conversion Required	
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HX 0952NF038	Auto or Manual Conversion	HS 0952TS038
HX 0952NF044	Manual Conversion Required	
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HX 0953DS050	Auto or Manual Conversion	HS 0953DT050
HX 0953NF038	Auto or Manual Conversion	HS 0953TS038
HX 0953NF044	Manual Conversion Required	
HX 0953NF050	Auto or Manual Conversion	HS 0953TS050
HX 0954DS038	Auto or Manual Conversion	HS 0954DT038
HX 0954DS050	Auto or Manual Conversion	HS 0954DT050
HX 0954NF038	Auto or Manual Conversion	HS 0954TS038
HX 0954NF050	Auto or Manual Conversion	HS 0954TS050
HX 1271DS038	Auto or Manual Conversion	HS 1271DT038
HX 1271NF038	Auto or Manual Conversion	HS 1271TS038
HX 1271NF044	Manual Conversion Required	
HX 1271NF050	Auto or Manual Conversion	HS 0951TS050
HX 1271NF075	Manual Conversion Required	
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HX 1272NF038	Auto or Manual Conversion	HS 1272TS038
HX 1272NF044	Manual Conversion Required	
HX 1272NF050	Auto or Manual Conversion	HS 1272TS050
HX 1273DS038	Auto or Manual Conversion	HS 1273DT038
HX 1273DS050	Auto or Manual Conversion	HS 1273DT050
HX 1273NF038	Auto or Manual Conversion	HS 1273TS038
HX 1273NF044	Manual Conversion Required	
HX 1273NF050	Auto or Manual Conversion	HS 1273TS050
HX 1274DS038	Auto or Manual Conversion	HS 1274DT038
HX 1274DS050	Auto or Manual Conversion	HS 1274DT050
HX 1274NF038	Auto or Manual Conversion	HS 1274TS038
HX 1274NF050	Auto or Manual Conversion	HS 1274TS050
HX 1901DS038	Auto or Manual Conversion	HS 1901DT038
HX 1901NF038	Auto or Manual Conversion	HS 1901TS038
HX 1901NF044	Manual Conversion Required	
HX 1901NF050	Auto or Manual Conversion	HS 1901TS050
HX 1901NF075	Manual Conversion Required	
HX 1902DS038	Auto or Manual Conversion	HS 1902DT038



HX 1902NF038	Auto or Manual Conversion	HS 1902TS038
HX 1902NF044	Manual Conversion Required	
HX 1902NF050	Auto or Manual Conversion	HS 1902TS050
HX 1903DS038	Auto or Manual Conversion	HS 1903DT038
HX 1903DS050	Auto or Manual Conversion	HS 1903DT050
HX 1903NF038	Auto or Manual Conversion	HS 1903TS038
HX 1903NF044	Manual Conversion Required	
HX 1903NF050	Auto or Manual Conversion	HS 1903TS050
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HX 1904DS050	Auto or Manual Conversion	HS 1904DT050
HX 1904NF038	Auto or Manual Conversion	HS 1904TS038
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HX 2541DS038	Auto or Manual Conversion	HS 2541DT038
HX 2541NF038	Auto or Manual Conversion	HS 2541TS038
HX 2541NF044	Manual Conversion Required	
HX 2541NF050	Auto or Manual Conversion	HS 2541TS050
HX 2541NF075	Manual Conversion Required	
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HX 2543NF038	Auto or Manual Conversion	HS 2543TS038
HX 2543NF044	Manual Conversion Required	
HX 2543NF050	Auto or Manual Conversion	HS 2543TS050
HX 2544DS038	Auto or Manual Conversion	HS 2544DT038
HX 2544DS050	Auto or Manual Conversion	HS 2544DT050
HX 2544NF038	Auto or Manual Conversion	HS 2544TS038
HX 2544NF050	Auto or Manual Conversion	HS 2544TS050
HX 3811DS038	Auto or Manual Conversion	HS 3811DT038
HX 3811NF038	Auto or Manual Conversion	HS 3811TS038
HX 3811NF044	Manual Conversion Required	
HX 3811NF050	Auto or Manual Conversion	HS 3811TS050
HX 3811NF075	Manual Conversion Required	
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HX 3812NF038	Auto or Manual Conversion	HS 3812TS038
HX 3812NF044	Manual Conversion Required	
HX 3812NF050	Auto or Manual Conversion	HS 3812TS050
HX 3813DS038	Auto or Manual Conversion	HS 3813DT038
HX 3813DS050	Auto or Manual Conversion	HS 3813DT050
HX 3813NF038	Auto or Manual Conversion	HS 3813TS038
HX 3813NF044	Manual Conversion Required	
HX 3813NF050	Auto or Manual Conversion	HS 3813TS050
HX 3814DS038	Auto or Manual Conversion	HS 3814DT038
HX 3814DS050	Auto or Manual Conversion	HS 3814DT050
HX 3814NF038	Auto or Manual Conversion	HS 3814TS038
HX 3814NF050	Auto or Manual Conversion	HS 3814TS050
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HX 5084NF038	Manual Conversion Required	
HX 5084NF050	Manual Conversion Required	

NS 0241DS050	Manual Conversion Required	
NS 0242DS050	Manual Conversion Required	
NS 0321DS050	Manual Conversion Required	
NS 0322DS050	Manual Conversion Required	
NS 0481DS050	Manual Conversion Required	
NS 0482DS050	Manual Conversion Required	
NS 0641DS050	Manual Conversion Required	
NS 0642DS050	Manual Conversion Required	
NS 0951DS050	Manual Conversion Required	
NS 0952DS050	Manual Conversion Required	
NS 1271DS050	Manual Conversion Required	
NS 1272DS050	Manual Conversion Required	
NS 1901DS050	Manual Conversion Required	
NS 1902DS050	Manual Conversion Required	
NS 2541DS050	Manual Conversion Required	
NS 2542DS050	Manual Conversion Required	
NS 3811DS050	Manual Conversion Required	
NS 3812DS050	Manual Conversion Required	
RAYPRINTT 12.7	Auto or Manual Conversion	TTMS 12.7
RAYPRINTT 19.0	Auto or Manual Conversion	TTMS 19.0
RAYPRINTT 25.4	Auto or Manual Conversion	TTMS 25.4
RAYPRINTT 3.2	Auto or Manual Conversion	TTMS 3.2
RAYPRINTT 4.8	Auto or Manual Conversion	TTMS 4.8
RAYPRINTT 6.4	Auto or Manual Conversion	TTMS 6.4
RAYPRINTT 9.5	Auto or Manual Conversion	TTMS 9.5
ZH-SCE 1.50-2.00	Auto or Manual Conversion	HX-SCE 381-50
ZH-SCE 1.50-S1-2.0	Auto or Manual Conversion	HX-SCE 381-50-S1
ZH-SCE 1.50-S2-2.0	Auto or Manual Conversion	HX-SCE 381-50-S2
ZH-SCE 1.50-S3-2.0	Auto or Manual Conversion	HX-SCE 381-50-S3
ZH-SCE 1/2-2.00	Auto or Manual Conversion	HX-SCE 127-50
ZH-SCE 1/2-S1-2.0	Auto or Manual Conversion	HX-SCE 127-50-S1
ZH-SCE 1/2-S2-2.0	Auto or Manual Conversion	HX-SCE 127-50-S2
ZH-SCE 1/2-S3-2.0	Auto or Manual Conversion	HX-SCE 127-50-S3
ZH-SCE 1/4-2.00	Auto or Manual Conversion	HX-SCE 064-50
ZH-SCE 1/4-S1-2.0	Auto or Manual Conversion	HX-SCE 064-50-S1
ZH-SCE 1/4-S2-2.0	Auto or Manual Conversion	HX-SCE 064-50-S2
ZH-SCE 1/4-S3-2.0	Auto or Manual Conversion	HX-SCE 064-50-S3
ZH-SCE 1/8-2.00	Auto or Manual Conversion	HX-SCE 032-50
ZH-SCE 1/8-S1-2.0	Auto or Manual Conversion	HX-SCE 032-50-S1
ZH-SCE 1/8-S2-2.0	Auto or Manual Conversion	HX-SCE 032-50-S2
ZH-SCE 1/8-S3-2.0	Auto or Manual Conversion	HX-SCE 032-50-S3
ZH-SCE 1-2.00	Auto or Manual Conversion	HX-SCE 254-50
ZH-SCE 1-S1-2.0	Auto or Manual Conversion	HX-SCE 254-50-S1
ZH-SCE 1-S2-2.0	Auto or Manual Conversion	HX-SCE 254-50-S2
ZH-SCE 1-S3-2.0	Auto or Manual Conversion	HX-SCE 254-50-S3
ZH-SCE 3/16-2.00	Auto or Manual Conversion	HX-SCE 048-50
ZH-SCE 3/16-S1-2.0	Auto or Manual Conversion	HX-SCE 048-50-S1
ZH-SCE 3/16-S2-2.0	Auto or Manual Conversion	HX-SCE 048-50-S2
ZH-SCE 3/16-S3-2.0	Auto or Manual Conversion	HX-SCE 048-50-S3
ZH-SCE 3/32-2.00	Auto or Manual Conversion	HX-SCE 024-50
ZH-SCE 3/32-S1-2.0	Auto or Manual Conversion	HX-SCE 024-50-S1
ZH-SCE 3/32-S2-2.0	Auto or Manual Conversion	HX-SCE 024-50-S2
ZH-SCE 3/32-S3-2.0	Auto or Manual Conversion	HX-SCE 024-50-S3
ZH-SCE 3/4-2.00	Auto or Manual Conversion	HX-SCE 190-50
ZH-SCE 3/4-S1-2.0	Auto or Manual Conversion	HX-SCE 190-50-S1
ZH-SCE 3/4-S2-2.0	Auto or Manual Conversion	HX-SCE 190-50-S2
ZH-SCE 3/4-S3-2.0	Auto or Manual Conversion	HX-SCE 190-50-S3
ZH-SCE 3/8-2.00	Auto or Manual Conversion	HX-SCE 095-50
ZH-SCE 3/8-S1-2.0	Auto or Manual Conversion	HX-SCE 095-50-S1
ZH-SCE 3/8-S2-2.0	Auto or Manual Conversion	HX-SCE 095-50-S2



## Obsolete System 6 Label Products

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The following Obsolete System 6 Label Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Options</b>	<b>Auto Conversion Product</b>
BFP- 064064-25	Auto or Manual Conversion	WP- 064064-25
BFP- 080080-10-9	Auto or Manual Conversion	WP- 080080-10-9
BFP- 089047-10	Auto or Manual Conversion	WP- 089047-10
BFP- 095095-10	Auto or Manual Conversion	WP- 095095-10
BFP- 101101-1.3-9	Auto or Manual Conversion	WP- 101101-1.3-9
BFP- 114040-25	Auto or Manual Conversion	WP- 114040-25
BFP- 127032-10	Auto or Manual Conversion	WP- 127032-10
BFP- 127064-10	Auto or Manual Conversion	WP- 127064-10
BFP- 127111-10	Auto or Manual Conversion	WP- 127111-10
BFP- 127127-10	Auto or Manual Conversion	WP- 127127-10
BFP- 165051-25	Auto or Manual Conversion	WP- 165051-25
BFP- 171171-10	Auto or Manual Conversion	WP- 171171-10
BFP- 178095-10	Auto or Manual Conversion	WP- 178095-10
BFP- 191064-10	Auto or Manual Conversion	WP- 191064-10
BFP- 203127-10	Auto or Manual Conversion	WP- 203127-10
BFP- 229064-10	Auto or Manual Conversion	WP- 229064-10
BFP- 254064-10	Auto or Manual Conversion	WP- 254064-10
BFP- 254097-10	Auto or Manual Conversion	WP- 254097-10
BFP- 254127-10	Auto or Manual Conversion	WP- 254127-10
BFP- 254254-10	Auto or Manual Conversion	WP- 254254-10
BFP- 318064-10	Auto or Manual Conversion	WP- 318064-10
BFP- 318097-10	Auto or Manual Conversion	WP- 318097-10
BFP- 381064-10	Auto or Manual Conversion	WP- 381064-10
BFP- 381127-5	Auto or Manual Conversion	WP- 381127-5
BFP- 381191-5	Auto or Manual Conversion	WP- 381191-5
BFP- 445064-10-9	Auto or Manual Conversion	WP- 445064-10-9
BFP- 445102-5	Auto or Manual Conversion	WP- 445102-5
BFP- 478175-5	Auto or Manual Conversion	WP- 478175-5
BFP- 508064-10	Auto or Manual Conversion	WP- 508064-10
BFP- 508095-5	Auto or Manual Conversion	WP- 508095-5
BFP- 508127-10	Auto or Manual Conversion	WP- 508127-10
BFP- 508254-5	Auto or Manual Conversion	WP- 508254-5
BFP- 508318-2.5	Auto or Manual Conversion	WP- 508318-2.5
BFP- 523841-1.5	Auto or Manual Conversion	WP- 523841-1.5
BFP- 699191-5	Auto or Manual Conversion	WP- 699191-5
BFP- 699254-5	Auto or Manual Conversion	WP- 699254-5
BFP- 762127-1	Auto or Manual Conversion	WP- 762127-1
BFP- 762254-5	Auto or Manual Conversion	WP- 762254-5
BFP- 762508-2.5	Auto or Manual Conversion	WP- 762508-2.5
C- 064064-10-9	Manual Conversion Required	
C- 076191-10-9	Manual Conversion Required	
C- 080080-10-9	Manual Conversion Required	
C- 095095-10-9	Manual Conversion Required	
C- 115064-10-9	Manual Conversion Required	
C- 121064-10-9	Manual Conversion Required	

C- 154064-10-9	Manual Conversion Required	
C- 159079-10-9	Manual Conversion Required	
C- 165051-10-9	Manual Conversion Required	
C- 191064-10-9	Manual Conversion Required	
C- 203127-10-9	Manual Conversion Required	
C- 203365-10-9	Manual Conversion Required	
C- 215055-10-9	Manual Conversion Required	
C- 229064-10-9	Manual Conversion Required	
C- 254095-10-9	Manual Conversion Required	
C- 254127-10-9	Manual Conversion Required	
C- 293064-10-9	Manual Conversion Required	
C- 381064-10-9	Manual Conversion Required	
C- 394064-10-9	Manual Conversion Required	
C- 508095-5-9	Manual Conversion Required	
C- 533064-5-9	Manual Conversion Required	
C- 533114-5-9	Manual Conversion Required	
DMVF 090025	Manual Conversion Required	
DMVF 100050	Manual Conversion Required	
DMVF 10292.5	Auto or Manual Conversion	TTVD 10292.5
DMVF 10791	Auto or Manual Conversion	TTVF 10791
DMVF 125038	Manual Conversion Required	
DMVF 15292.5	Auto or Manual Conversion	TTVF 15292.5
DMVF 16791	Auto or Manual Conversion	TTVF 16791
DMVF 3015-1	Auto or Manual Conversion	TTVF 3015-1
DMVF 60042.5	Auto or Manual Conversion	TTVF 60042.5
E- 064064-10-9	Auto or Manual Conversion	WP- 064064-25-9
E- 076191-10-9	Manual Conversion Required	
E- 080080-10-9	Auto or Manual Conversion	WP- 080080-10-9
E- 095095-10-9	Auto or Manual Conversion	WP- 095095-10-9
E- 102070-10-9	Manual Conversion Required	
E- 115064-10-9	Manual Conversion Required	
E- 121064-10-9	Manual Conversion Required	
E- 127111-10-9	Auto or Manual Conversion	WP- 127111-10-9
E- 127191-10-9	Manual Conversion Required	
E- 154064-10-9	Manual Conversion Required	
E- 159079-10-9	Manual Conversion Required	
E- 165051-10-9	Auto or Manual Conversion	WP- 165051-25-9
E- 165101-1-9	Manual Conversion Required	
E- 191064-10-9	Auto or Manual Conversion	WP- 191064-10-9
E- 203064-10-9	Manual Conversion Required	
E- 203127-10-9	Auto or Manual Conversion	WP- 203127-10-9
E- 203365-10-9	Manual Conversion Required	
E- 215055-10-9	Manual Conversion Required	
E- 229064-10-9	Auto or Manual Conversion	WP- 229064-10-9
E- 254095-10-9	Manual Conversion Required	
E- 254127-10-9	Auto or Manual Conversion	WP- 254127-10-9
E- 293064-10-9	Manual Conversion Required	
E- 381064-10-9	Auto or Manual Conversion	WP- 318064-10-9
E- 381191-10-9	Auto or Manual Conversion	WP- 381191-5-9
E- 394064-10-9	Manual Conversion Required	
E- 508095-5-9	Auto or Manual Conversion	WP- 508095-5-9
E- 508254-4-9	Auto or Manual Conversion	WP- 508254-5-9
E- 508318-3-9	Auto or Manual Conversion	WP- 508318-2.5-9
E- 533064-5-9	Manual Conversion Required	
E- 533114-5-9	Manual Conversion Required	
E- 572286-2.5-9	Manual Conversion Required	
E- 673254-3-9	Manual Conversion Required	
E- 673349-3-9	Manual Conversion Required	
E- 699254-2.5-9	Auto or Manual Conversion	WP- 699254-5-9
E- 699318-2.5-9	Manual Conversion Required	

E- 711064-5-9	Manual Conversion Required	
E- 762508-1-9	Auto or Manual Conversion	WP- 762508-2.5-9
E- 920254-2.5-9	Manual Conversion Required	
E- 920381-2.5-9	Manual Conversion Required	
HLC 031WE1	Manual Conversion Required	
HLC 031WE125125	Manual Conversion Required	
HLC 03WE1	Manual Conversion Required	
HLC 03WE125125	Manual Conversion Required	
HLC 10WE1	Manual Conversion Required	
HLC 10WE125125	Manual Conversion Required	
HLTM 1125125HX	Manual Conversion Required	
HLTM 1312HX-Left	Manual Conversion Required	
HLTM 1312HX-Right	Manual Conversion Required	
HLTM 1438125HX-Left	Manual Conversion Required	
HLTM 1438125HX-Right	Manual Conversion Required	
HLTM 1438HX-Left	Manual Conversion Required	
HLTM 1438HX-Right	Manual Conversion Required	
HLTM 1500HX-Left	Manual Conversion Required	
HLTM 1500HX-Right	Manual Conversion Required	
HLTM 1625HX-Left	Manual Conversion Required	
HLTM 1625HX-Right	Manual Conversion Required	
HLTM 1CL312	Manual Conversion Required	
HLTM 1CL312T	Manual Conversion Required	
HLTM 1CL438	Manual Conversion Required	
HLTM 1CL438T	Manual Conversion Required	
HLTM 1CL500	Manual Conversion Required	
HLTM 1CL500T	Manual Conversion Required	
HLTM 1CL625	Manual Conversion Required	
HLTM 1CL625T	Manual Conversion Required	
HLTM 1CR312	Manual Conversion Required	
HLTM 1CR312T	Manual Conversion Required	
HLTM 1CR438	Manual Conversion Required	
HLTM 1CR438T	Manual Conversion Required	
HLTM 1CR500	Manual Conversion Required	
HLTM 1CR500T	Manual Conversion Required	
HLTM 1CR625	Manual Conversion Required	
HLTM 1CR625T	Manual Conversion Required	
HLTM 1FB125125	Manual Conversion Required	
HLTM 1FB312-Left	Manual Conversion Required	
HLTM 1FB312-Right	Manual Conversion Required	
HLTM 1FB438125-Left	Manual Conversion Required	
HLTM 1FB438125-Right	Manual Conversion Required	
HLTM 1FB438-Left	Manual Conversion Required	
HLTM 1FB438-Right	Manual Conversion Required	
HLTM 1FB500-Left	Manual Conversion Required	
HLTM 1FB500-Right	Manual Conversion Required	
HLTM 1FB625-Left	Manual Conversion Required	
HLTM 1FB625-Right	Manual Conversion Required	
HLTM 2250HX	Manual Conversion Required	
HLTM 2FB250	Manual Conversion Required	
HLTM 3C250	Manual Conversion Required	
HLTM 3C250T	Manual Conversion Required	
HLTM 4C250	Manual Conversion Required	
HLTM 4C250T	Manual Conversion Required	
HLTM 5CL438125	Manual Conversion Required	
HLTM 5CL438125T	Manual Conversion Required	
HLTM 5CR438125	Manual Conversion Required	
HLTM 5CR438125T	Manual Conversion Required	
HLTM 5FB438125-Left	Manual Conversion Required	
HLTM 5FB438125-Right	Manual Conversion Required	

HLTM 6FB438	Manual Conversion Required
HLTM 7CL250250	Manual Conversion Required
HLTM 7CL250250T	Manual Conversion Required
HLTM 7CR250250	Manual Conversion Required
HLTM 7CR250250T	Manual Conversion Required
HLXTM 1125125LM	Manual Conversion Required
HLXTM 1312LM-Left	Manual Conversion Required
HLXTM 1312LM-Right	Manual Conversion Required
HLXTM 1438125LM-Left	Manual Conversion Required
HLXTM 1438125LM-R	Manual Conversion Required
HLXTM 1438LM-Left	Manual Conversion Required
HLXTM 1438LM-Right	Manual Conversion Required
HLXTM 1500LM-Left	Manual Conversion Required
HLXTM 1500LM-Right	Manual Conversion Required
HLXTM 1625LM-Left	Manual Conversion Required
HLXTM 1625LM-Right	Manual Conversion Required
HLXTM 2250LM	Manual Conversion Required
HPC 010WE1050T	Manual Conversion Required
HPC 0201050	Manual Conversion Required
HPC 020WE1050T	Manual Conversion Required
HPC 0301050	Manual Conversion Required
HPC 031WE1	Manual Conversion Required
HPC 031WE125125	Manual Conversion Required
HPC 031WE125125T	Manual Conversion Required
HPC 031WE1T	Manual Conversion Required
HPC 03WE1	Manual Conversion Required
HPC 03WE125125	Manual Conversion Required
HPC 03WE125125T	Manual Conversion Required
HPC 03WE1T	Manual Conversion Required
HPC 0401050	Manual Conversion Required
HPC 040WE1050T	Manual Conversion Required
HPC 0501050	Manual Conversion Required
HPC 0601050	Manual Conversion Required
HPC 060WE1050T	Manual Conversion Required
HPC 0801050	Manual Conversion Required
HPC 080WE1050T	Manual Conversion Required
HPC 101050	Manual Conversion Required
HPC 10WE1	Manual Conversion Required
HPC 10WE125125	Manual Conversion Required
HPC 10WE125125T	Manual Conversion Required
HPC 10WE1T	Manual Conversion Required
HPKTM 1CL-312	Manual Conversion Required
HPKTM 1CL-438	Manual Conversion Required
HPKTM 1CL-500	Manual Conversion Required
HPKTM 1CR-312	Manual Conversion Required
HPKTM 1CR-438	Manual Conversion Required
HPKTM 1CR-500	Manual Conversion Required
HPTM 1CL312	Manual Conversion Required
HPTM 1CL312T	Manual Conversion Required
HPTM 1CL438	Manual Conversion Required
HPTM 1CL438T	Manual Conversion Required
HPTM 1CL500	Manual Conversion Required
HPTM 1CL500T	Manual Conversion Required
HPTM 1CL625	Manual Conversion Required
HPTM 1CL625T	Manual Conversion Required
HPTM 1CR312	Manual Conversion Required
HPTM 1CR312T	Manual Conversion Required
HPTM 1CR438	Manual Conversion Required
HPTM 1CR438T	Manual Conversion Required
HPTM 1CR500	Manual Conversion Required

HPTM 1CR500T	Manual Conversion Required	
HPTM 1CR625	Manual Conversion Required	
HPTM 1CR625T	Manual Conversion Required	
HPTM 3C250	Manual Conversion Required	
HPTM 3C250T	Manual Conversion Required	
HPTM 4C250	Manual Conversion Required	
HPTM 4C250T	Manual Conversion Required	
HPTM 5CL438125	Manual Conversion Required	
HPTM 5CL438125T	Manual Conversion Required	
HPTM 5CR438125	Manual Conversion Required	
HPTM 5CR438125T	Manual Conversion Required	
HPTM 7CL250250	Manual Conversion Required	
HPTM 7CL250250T	Manual Conversion Required	
HPTM 7CR250250	Manual Conversion Required	
HPTM 7CR250250T	Manual Conversion Required	
K- 064064-10-1A	Manual Conversion Required	
K- 076191-10-1A	Manual Conversion Required	
K- 080080-10-1A	Manual Conversion Required	
K- 095095-10-1A	Manual Conversion Required	
K- 115064-10-1A	Manual Conversion Required	
K- 121064-10-1A	Manual Conversion Required	
K- 154064-10-1A	Manual Conversion Required	
K- 159079-10-1A	Manual Conversion Required	
K- 165051-10-1A	Manual Conversion Required	
K- 191064-10-1A	Manual Conversion Required	
K- 203127-10-1A	Manual Conversion Required	
K- 203365-10-1A	Manual Conversion Required	
K- 215055-10-1A	Manual Conversion Required	
K- 229064-10-1A	Manual Conversion Required	
K- 254095-10-1A	Manual Conversion Required	
K- 254127-10-1A	Manual Conversion Required	
K- 293064-10-1A	Manual Conversion Required	
K- 381064-10-1A	Manual Conversion Required	
K- 508095-5-1A	Manual Conversion Required	
K- 533064-5-1A	Manual Conversion Required	
KFT- 0820	Manual Conversion Required	
KFT- 1040	Manual Conversion Required	
KME6- 04728	Manual Conversion Required	
KME6- 07228	Manual Conversion Required	
KME6- 14828	Manual Conversion Required	
M- 064064-10-8A	Auto or Manual Conversion	MP- 064064-25-8A
M- 076191-10-8A	Manual Conversion Required	
M- 080080-10-8A	Auto or Manual Conversion	MP- 080080-10-8A
M- 095095-10-8A	Auto or Manual Conversion	MP- 095095-10-8A
M- 102070-10-8A	Manual Conversion Required	
M- 115064-10-8A	Manual Conversion Required	
M- 121064-10-8A	Manual Conversion Required	
M- 127111-10-8A	Auto or Manual Conversion	MP- 127111-10-8A
M- 127191-10-8A	Manual Conversion Required	
M- 154064-10-8A	Manual Conversion Required	
M- 159079-10-8A	Manual Conversion Required	
M- 165051-10-8A	Auto or Manual Conversion	MP- 165051-25-8A
M- 165101-1-8A	Manual Conversion Required	
M- 191064-10-8A	Auto or Manual Conversion	MP- 191064-10-8A
M- 203064-10-8A	Manual Conversion Required	
M- 203127-10-8A	Auto or Manual Conversion	MP- 203127-10-8A
M- 203365-10-8A	Manual Conversion Required	
M- 215055-10-8A	Manual Conversion Required	
M- 229064-10-8A	Auto or Manual Conversion	MP- 229064-10-8A
M- 254095-10-8A	Manual Conversion Required	



M- 254127-10-8A	Auto or Manual Conversion	MP- 254127-10-8A
M- 293064-10-8A	Manual Conversion Required	
M- 381064-10-8A	Auto or Manual Conversion	MP- 318064-10-8A
M- 381191-10-8A	Manual Conversion Required	
M- 394064-10-8A	Manual Conversion Required	
M- 508095-5-8A	Auto or Manual Conversion	MP- 508095-5-8A
M- 508254-4-8A	Auto or Manual Conversion	MP- 508254-5-8A
M- 508318-3-8A	Auto or Manual Conversion	MP- 508318-2.5-8A
M- 533064-5-8A	Manual Conversion Required	
M- 533114-5-8A	Manual Conversion Required	
M- 572286-2.5-8A	Manual Conversion Required	
M- 673254-3-8A	Manual Conversion Required	
M- 673349-3-8A	Manual Conversion Required	
M- 699254-2.5-8A	Auto or Manual Conversion	MP- 699254-5-8A
M- 699318-2.5-8A	Manual Conversion Required	
M- 711064-5-8A	Manual Conversion Required	
M- 762508-1-8A	Auto or Manual Conversion	MP- 762508-2.5-8A
M- 920254-2.5-8A	Manual Conversion Required	
M- 920381-2.5-8A	Manual Conversion Required	
MST- 2070	Manual Conversion Required	
MST- 3040	Manual Conversion Required	
MST- 3080	Manual Conversion Required	
NMX 25625**2.5	Manual Conversion Required	
Other 101-MP10S	Manual Conversion Required	
Other 101-MP10X	Manual Conversion Required	
Other 101-T1K10S	Manual Conversion Required	
Other 101-T1K10X	Manual Conversion Required	
Other 101-WP10S	Manual Conversion Required	
Other 101-WP10X	Manual Conversion Required	
Other 102-MP5S	Manual Conversion Required	
Other 102-MP5X	Manual Conversion Required	
Other 102-QP5S	Manual Conversion Required	
Other 102-QP5X	Manual Conversion Required	
Other 102-WP5S	Manual Conversion Required	
Other 102-WP5X	Manual Conversion Required	
Other 102-WV5S	Manual Conversion Required	
Other 102-WV5X	Manual Conversion Required	
Other 103-MP5S	Manual Conversion Required	
Other 103-MP5X	Manual Conversion Required	
Other 103-QP5S	Manual Conversion Required	
Other 103-QP5X	Manual Conversion Required	
Other 103-WP5S	Manual Conversion Required	
Other 103-WP5X	Manual Conversion Required	
Other 104-MP2.5S	Manual Conversion Required	
Other 104-MP2.5X	Manual Conversion Required	
Other 104-QP2.5S	Manual Conversion Required	
Other 104-QP2.5X	Manual Conversion Required	
Other 104-WP2.5S	Manual Conversion Required	
Other 104-WP2.5X	Manual Conversion Required	
Other 105-MP10S	Manual Conversion Required	
Other 105-MP10X	Manual Conversion Required	
Other 105-T1K10S	Manual Conversion Required	
Other 105-T1K10X	Manual Conversion Required	
Other 105-WP10S	Manual Conversion Required	
Other 106-QP0.9S	Manual Conversion Required	
Other 106-QP0.9X	Manual Conversion Required	
Other 106-WP0.9S	Manual Conversion Required	
Other 107-MP10S	Manual Conversion Required	
Other 107-MP10X	Manual Conversion Required	
Other 107-T1K10S	Manual Conversion Required	

Other 107-T1K10X	Manual Conversion Required
Other 107-WP10S	Manual Conversion Required
Other 107-WP10X	Manual Conversion Required
Other 107-WV10S	Manual Conversion Required
Other 107-WV10X	Manual Conversion Required
Other 108-T1K10S	Manual Conversion Required
Other 108-T1K10X	Manual Conversion Required
Other 108-T1K25S	Manual Conversion Required
Other 108-T1K25X	Manual Conversion Required
Other 108-WP10S	Manual Conversion Required
Other 108-WP10X	Manual Conversion Required
Other 108-WP25S	Manual Conversion Required
Other 108-WP25X	Manual Conversion Required
Other 109-T1K10S	Manual Conversion Required
Other 109-T1K10X	Manual Conversion Required
Other 109-WP10S	Manual Conversion Required
Other 109-WP10X	Manual Conversion Required
Other 109-WP25S	Manual Conversion Required
Other 109-WP25X	Manual Conversion Required
Other 10-PW2.5F	Manual Conversion Required
Other 10-PW2.5R	Manual Conversion Required
Other 110-NC10S	Manual Conversion Required
Other 110-NC10X	Manual Conversion Required
Other 110-WP10S	Manual Conversion Required
Other 110-WP10X	Manual Conversion Required
Other 111-T1K10S	Manual Conversion Required
Other 111-T1K10X	Manual Conversion Required
Other 111-WP10S	Manual Conversion Required
Other 111-WP10X	Manual Conversion Required
Other 112-T1K10S	Manual Conversion Required
Other 112-T1K10X	Manual Conversion Required
Other 112-WP10S	Manual Conversion Required
Other 112-WP10X	Manual Conversion Required
Other 113-T1K10S	Manual Conversion Required
Other 113-T1K10X	Manual Conversion Required
Other 113-WP10S	Manual Conversion Required
Other 113-WP10X	Manual Conversion Required
Other 114-NC5S	Manual Conversion Required
Other 114-NC5X	Manual Conversion Required
Other 114-WP10S	Manual Conversion Required
Other 114-WP10X	Manual Conversion Required
Other 115-MP10S	Manual Conversion Required
Other 115-MP10X	Manual Conversion Required
Other 115-WP10S	Manual Conversion Required
Other 115-WP10X	Manual Conversion Required
Other 116-T1K10S	Manual Conversion Required
Other 116-T1K10X	Manual Conversion Required
Other 116-WP10S	Manual Conversion Required
Other 116-WP10X	Manual Conversion Required
Other 117-MP2.5S	Manual Conversion Required
Other 117-MP2.5X	Manual Conversion Required
Other 117-QP2.5S	Manual Conversion Required
Other 117-QP2.5X	Manual Conversion Required
Other 117-WP2.5S	Manual Conversion Required
Other 117-WP2.5X	Manual Conversion Required
Other 118-MP2.5S	Manual Conversion Required
Other 118-MP2.5X	Manual Conversion Required
Other 118-QP2.5S	Manual Conversion Required
Other 118-QP2.5X	Manual Conversion Required
Other 118-WP2.5S	Manual Conversion Required

Other 118-WP2.5X	Manual Conversion Required
Other 119-MP2.5S	Manual Conversion Required
Other 119-MP2.5X	Manual Conversion Required
Other 119-QP2.5S	Manual Conversion Required
Other 119-QP2.5X	Manual Conversion Required
Other 119-WP2.5S	Manual Conversion Required
Other 119-WP2.5X	Manual Conversion Required
Other 11-PW2.5F	Manual Conversion Required
Other 11-PW2.5R	Manual Conversion Required
Other 120-MP1.5S	Manual Conversion Required
Other 120-MP1.5X	Manual Conversion Required
Other 120-WP1.5S	Manual Conversion Required
Other 120-WP1.5X	Manual Conversion Required
Other 121-MP1.5S	Manual Conversion Required
Other 121-MP1.5X	Manual Conversion Required
Other 121-WP1.5S	Manual Conversion Required
Other 121-WP1.5X	Manual Conversion Required
Other 122-T1K10S	Manual Conversion Required
Other 122-T1K10X	Manual Conversion Required
Other 122-WP10S	Manual Conversion Required
Other 122-WP10X	Manual Conversion Required
Other 123-EP5S	Manual Conversion Required
Other 123-EP5X	Manual Conversion Required
Other 123-WP5S	Manual Conversion Required
Other 123-WP5X	Manual Conversion Required
Other 124-EP3S	Manual Conversion Required
Other 124-EP3X	Manual Conversion Required
Other 125-EP3S	Manual Conversion Required
Other 125-EP3X	Manual Conversion Required
Other 126-EP1.8S	Manual Conversion Required
Other 126-EP1.8X	Manual Conversion Required
Other 127-EP1.5S	Manual Conversion Required
Other 127-EP1.5X	Manual Conversion Required
Other 128-EP1S	Manual Conversion Required
Other 128-EP1X	Manual Conversion Required
Other 129-T1K10S	Manual Conversion Required
Other 129-T1K10X	Manual Conversion Required
Other 129-WP10S	Manual Conversion Required
Other 129-WP10X	Manual Conversion Required
Other 12-PW2.5F	Manual Conversion Required
Other 12-PW2.5R	Manual Conversion Required
Other 130-RP10S	Manual Conversion Required
Other 131-YP1S	Manual Conversion Required
Other 132-WP10S	Manual Conversion Required
Other 133-WP10S	Manual Conversion Required
Other 134-WP2.5S	Manual Conversion Required
Other 135-WP10S	Manual Conversion Required
Other 136-WP25S	Manual Conversion Required
Other 137-WP25S	Manual Conversion Required
Other 138-WP10S	Manual Conversion Required
Other 139-WP10S	Manual Conversion Required
Other 13-PW2.5F	Manual Conversion Required
Other 13-PW2.5R	Manual Conversion Required
Other 140-MP5S	Manual Conversion Required
Other 16-CW10F	Manual Conversion Required
Other 16-CW10R	Manual Conversion Required
Other 17-CW10F	Manual Conversion Required
Other 17-CW10R	Manual Conversion Required
Other 198-SB5S	Manual Conversion Required
Other 198-SB5X	Manual Conversion Required

Other 199-SBS	Manual Conversion Required
Other 199-SBX	Manual Conversion Required
Other 1-CW10F	Manual Conversion Required
Other 1-CW10R	Manual Conversion Required
Other 1-EW10F	Manual Conversion Required
Other 1-EW10R	Manual Conversion Required
Other 1-KG10F	Manual Conversion Required
Other 1-KG10R	Manual Conversion Required
Other 1-MS10F	Manual Conversion Required
Other 1-MS10R	Manual Conversion Required
Other 1-PW10F	Manual Conversion Required
Other 1-PW10R	Manual Conversion Required
Other 2-PW10F	Manual Conversion Required
Other 2-PW10R	Manual Conversion Required
Other 3-CW10F	Manual Conversion Required
Other 3-CW10R	Manual Conversion Required
Other 3-EW10F	Manual Conversion Required
Other 3-EW10R	Manual Conversion Required
Other 3-KG10F	Manual Conversion Required
Other 3-KG10R	Manual Conversion Required
Other 3-MS10F	Manual Conversion Required
Other 3-MS10R	Manual Conversion Required
Other 3-NW10F	Manual Conversion Required
Other 3-NW10R	Manual Conversion Required
Other 3-PW10F	Manual Conversion Required
Other 3-PW10R	Manual Conversion Required
Other 4-EW10F	Manual Conversion Required
Other 4-EW10R	Manual Conversion Required
Other 4-FW10F	Manual Conversion Required
Other 4-FW10R	Manual Conversion Required
Other 4-KG10F	Manual Conversion Required
Other 4-KG10R	Manual Conversion Required
Other 4-MS10F	Manual Conversion Required
Other 4-MS10R	Manual Conversion Required
Other 4-PW10F	Manual Conversion Required
Other 4-PW10R	Manual Conversion Required
Other 4-RW10F	Manual Conversion Required
Other 4-RW10R	Manual Conversion Required
Other 5-CW10F	Manual Conversion Required
Other 5-CW10R	Manual Conversion Required
Other 5-EW10F	Manual Conversion Required
Other 5-EW10R	Manual Conversion Required
Other 6A-CW5F	Manual Conversion Required
Other 6A-CW5R	Manual Conversion Required
Other 7-CW10F	Manual Conversion Required
Other 7-CW10R	Manual Conversion Required
Other 7-EW10F	Manual Conversion Required
Other 7-EW10R	Manual Conversion Required
Other 7-EY10F	Manual Conversion Required
Other 7-EY10R	Manual Conversion Required
Other 7-MS10F	Manual Conversion Required
Other 7-MS10R	Manual Conversion Required
Other 7-NW10F	Manual Conversion Required
Other 7-NW10R	Manual Conversion Required
Other 7-PW10F	Manual Conversion Required
Other 7-PW10R	Manual Conversion Required
Other 8-EW10F	Manual Conversion Required
Other 8-EW10R	Manual Conversion Required
Other 8-MS10F	Manual Conversion Required
Other 8-MS10R	Manual Conversion Required

Other 8-PW10F	Manual Conversion Required
Other 8-PW10R	Manual Conversion Required
Other 907-WP25X	Manual Conversion Required
Other 912-WP10X	Manual Conversion Required
Other B1-EW10F	Manual Conversion Required
Other B1-EW10R	Manual Conversion Required
Other B1-KG10F	Manual Conversion Required
Other B1-KG10R	Manual Conversion Required
Other B2-EW10F	Manual Conversion Required
Other B2-EW10R	Manual Conversion Required
Other B2-KG10F	Manual Conversion Required
Other B2-KG10R	Manual Conversion Required
Other B3-EW10F	Manual Conversion Required
Other B3-EW10R	Manual Conversion Required
Other B3-KG10F	Manual Conversion Required
Other B3-KG10R	Manual Conversion Required
Other B4-EW10F	Manual Conversion Required
Other B4-EW10R	Manual Conversion Required
Other B4-KG10F	Manual Conversion Required
Other B4-KG10R	Manual Conversion Required
Other B4-VW10F	Manual Conversion Required
Other B4-VW10R	Manual Conversion Required
Other B5-EW10F	Manual Conversion Required
Other B5-EW10R	Manual Conversion Required
Other B5-KG10F	Manual Conversion Required
Other B5-KG10R	Manual Conversion Required
Other B6-EW10F	Manual Conversion Required
Other B6-EW10R	Manual Conversion Required
Other B6-KG10F	Manual Conversion Required
Other B6-KG10R	Manual Conversion Required
Other C00033	Manual Conversion Required
Other C00034	Manual Conversion Required
Other C00035	Manual Conversion Required
Other C00036	Manual Conversion Required
Other C00037	Manual Conversion Required
Other C00038	Manual Conversion Required
Other C00039	Manual Conversion Required
Other C00040	Manual Conversion Required
Other C00049	Manual Conversion Required
Other E-EW10F	Manual Conversion Required
Other E-EW10R	Manual Conversion Required
Other L1-EW10F	Manual Conversion Required
Other L1-EW10R	Manual Conversion Required
Other L2-KG10F	Manual Conversion Required
Other L2-KG10R	Manual Conversion Required
Other L3-CW10F	Manual Conversion Required
Other L3-CW10R	Manual Conversion Required
Other L3-EW10F	Manual Conversion Required
Other L3-EW10R	Manual Conversion Required
Other L3-KG10F	Manual Conversion Required
Other L3-KG10R	Manual Conversion Required
Other M-CW10F	Manual Conversion Required
Other M-CW10R	Manual Conversion Required
Other R1-EW4F	Manual Conversion Required
Other R1-EW4R	Manual Conversion Required
Other R1-MS4F	Manual Conversion Required
Other R1-MS4R	Manual Conversion Required
Other R2-EW3F	Manual Conversion Required
Other R2-EW3R	Manual Conversion Required
Other R2-MS3F	Manual Conversion Required

Other R2-MS3R	Manual Conversion Required	
Other R2-PW3F	Manual Conversion Required	
Other R2-PW3R	Manual Conversion Required	
Other R3-EW3F	Manual Conversion Required	
Other R3-EW3R	Manual Conversion Required	
Other R3-MS3F	Manual Conversion Required	
Other R3-MS3R	Manual Conversion Required	
Other R3-PW3F	Manual Conversion Required	
Other R3-PW3R	Manual Conversion Required	
Other R4-EW3F	Manual Conversion Required	
Other R4-EW3R	Manual Conversion Required	
Other R4-MS3F	Manual Conversion Required	
Other R4-MS3R	Manual Conversion Required	
Other R5-EW1F	Manual Conversion Required	
Other R5-EW1R	Manual Conversion Required	
Other R5-MS1F	Manual Conversion Required	
Other R5-MS1R	Manual Conversion Required	
Other R5-PW1F	Manual Conversion Required	
Other R5-PW1R	Manual Conversion Required	
Other R6-EW1F	Manual Conversion Required	
Other R6-EW1R	Manual Conversion Required	
Other R6-PW1F	Manual Conversion Required	
Other R6-PW1R	Manual Conversion Required	
Other V1-EW10F	Manual Conversion Required	
Other V1-EW10R	Manual Conversion Required	
Other V1-MS10F	Manual Conversion Required	
Other V1-MS10R	Manual Conversion Required	
PV- A-10	Manual Conversion Required	
PV- C1-2.5	Manual Conversion Required	
PV- D1-1	Manual Conversion Required	
PV- D3-1	Manual Conversion Required	
PV- J-10	Manual Conversion Required	
PV- N-10	Manual Conversion Required	
PV- O-10	Manual Conversion Required	
PV- P-5	Manual Conversion Required	
PV- Q-10	Manual Conversion Required	
PV- R-5	Manual Conversion Required	
PV- S-2.5	Manual Conversion Required	
PV- T-2.5	Manual Conversion Required	
PV- U-2.5	Manual Conversion Required	
PV- W1-1	Manual Conversion Required	
PV- W2-1	Manual Conversion Required	
SB- 050075WE10	Manual Conversion Required	
SB- 050100WE10	Auto or Manual Conversion	SBP- 050100WE10
SB- 050143WE10	Auto or Manual Conversion	SBP- 050143WE10
SB- 075094WE10	Auto or Manual Conversion	SBP- 075094WE10
SB- 080150WE10	Auto or Manual Conversion	SBP- 080150WE10
SB- 100075WE5	Auto or Manual Conversion	SBP- 100075WE5
SB- 100143WE5	Auto or Manual Conversion	SBP- 100143WE5
SB- 100225WE5	Auto or Manual Conversion	SBP- 100225WE5
SB- 100375WE2.5	Auto or Manual Conversion	SBP- 100375WE2.5
SB- 100594WE1	Auto or Manual Conversion	SBP- 100594WE1
SB- 100743WE1	Auto or Manual Conversion	SBP- 100743WE1
SB- 190319WE2.5	Auto or Manual Conversion	SBP- 190319WE2.5
SB- 190594WE1	Auto or Manual Conversion	SBP- 190594WE1
SB- 200143WE2.5	Auto or Manual Conversion	SBP- 200143WE2.5
SB- 200225WE1-1AC-T200	Auto or Manual Conversion	SBP- 200225WE2.5
SB- 200225WE2.5	Auto or Manual Conversion	SBP- 200225WE2.5
SB- 200375WE2.5	Auto or Manual Conversion	SBP- 200375WE2.5

SB- 200743**1	Manual Conversion Required	
SB- 200743WE1	Manual Conversion Required	
SB- 200843WE0.5	Manual Conversion Required	
S-Lam 150-SB10	Auto or Manual Conversion	SBP- 050143WE10
S-Lam 151-SB5	Auto or Manual Conversion	SBP- 100143WE5
S-Lam 152-SB2.5	Auto or Manual Conversion	SBP- 100375WE2.5
S-Lam 153-SB5	Manual Conversion Required	
S-Lam 154-SB1	Auto or Manual Conversion	SBP- 190594WE1
S-Lam 155-SB10	Manual Conversion Required	
S-Lam 156-SB2.5	Auto or Manual Conversion	SBP- 200143WE2.5
S-Lam 251-SB7.5	Manual Conversion Required	
S-Lam 252-SB3.5	Manual Conversion Required	
S-Lam 253-SB5	Manual Conversion Required	
S-Lam 255-SB10	Manual Conversion Required	
S-Lam 256-SB10	Manual Conversion Required	
S-Lam 257-SB10	Manual Conversion Required	
S-Lam 258-SB3.5	Manual Conversion Required	
S-Lam 259-SB1	Manual Conversion Required	
S-Lam A-TW10	Auto or Manual Conversion	SBP- 080150WE10
S-Lam C1-TW2.5	Manual Conversion Required	
S-Lam C-TW2.5	Manual Conversion Required	
S-Lam D1-TW2.5	Auto or Manual Conversion	SBP- 100743WE1
S-Lam D3-TW1	Manual Conversion Required	
S-Lam J-TW10	Manual Conversion Required	
S-Lam N-TW10	Manual Conversion Required	
S-Lam O-TW10	Auto or Manual Conversion	SBP- 100143WE5
S-Lam P-TW10	Auto or Manual Conversion	SBP- 200143WE2.5
S-Lam Q-TW10	Manual Conversion Required	
S-Lam R-TW5	Manual Conversion Required	
S-Lam SB050100WE10	Manual Conversion Required	
S-Lam SB050143WE10	Manual Conversion Required	
S-Lam SB080150WE10	Auto or Manual Conversion	SBP- 080150WE10
S-Lam SB100143WE5	Auto or Manual Conversion	SBP- 100143WE5
S-Lam SB100225WE5	Manual Conversion Required	
S-Lam SB100375WE2.5	Auto or Manual Conversion	SBP- 100375WE2.5
S-Lam SB100594WE0.5	Auto or Manual Conversion	SBP- 100743WE1
S-Lam SB100743WE0.5	Auto or Manual Conversion	SBP- 100743WE1
S-Lam SB190594WE0.5	Auto or Manual Conversion	SBP- 190594WE1
S-Lam SB200143WE2.5	Auto or Manual Conversion	SBP- 200143WE2.5
S-Lam SB200225WE2.5	Manual Conversion Required	
S-Lam SB200375WE2.5	Auto or Manual Conversion	SBP- 200375WE2.5
S-Lam SB200743WE0.5	Manual Conversion Required	
S-Lam SB200743WE1	Manual Conversion Required	
S-Lam SBH100375WE2.5	Manual Conversion Required	
S-Lam S-TW2.5	Manual Conversion Required	
S-Lam T-TW2.5	Auto or Manual Conversion	SBP- 100375WE2.5
S-Lam U-TW2.5	Auto or Manual Conversion	SBP- 200375WE2.5
S-Lam W1-TW1	Auto or Manual Conversion	SBP- 100743WE1
S-Lam W2-TW1	Manual Conversion Required	
TW- A-10	Manual Conversion Required	
TW- C1-2.5	Manual Conversion Required	
TW- D1-1	Manual Conversion Required	
TW- D3-1	Manual Conversion Required	
TW- J-10	Manual Conversion Required	
TW- N-10	Manual Conversion Required	
TW- O-10	Manual Conversion Required	
TW- P-5	Manual Conversion Required	
TW- Q-10	Manual Conversion Required	
TW- R-5	Manual Conversion Required	
TW- S-2.5	Manual Conversion Required	

TW- T-2.5	Manual Conversion Required
TW- U-2.5	Manual Conversion Required
TW- W1-1	Manual Conversion Required
TW- W2-1	Manual Conversion Required



# Obsolete System 6 Cable Marker Products

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The following Obsolete System 6 Cable Marker Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and a Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

Obsolete Product	Conversion Options	Auto Conversion Product
CM-NMX-TP 1/2-4H	Auto or Manual Conversion	CM-NMX 1/2-4H
CM-NMX-TP 1/2-6H	Auto or Manual Conversion	CM-NMX 1/2-6H
CM-NMX-TP 1/4-4H	Auto or Manual Conversion	CM-NMX 1/4-4H
CM-NMX-TP 1/4-6H	Auto or Manual Conversion	CM-NMX 1/4-6H
CM-SCE 1/2	Auto or Manual Conversion	CM-SCE-TP 1/2-4H
CM-SCE 1/2-4H	Auto or Manual Conversion	CM-SCE-TP 1/2-4H
CM-SCE 1/2-6H	Auto or Manual Conversion	CM-SCE-TP 1/2-6H
CM-SCE 1/4	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-SCE 1/4-4H	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-SCE 1/4-6H	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-SCE-CHAM 1/4-4H	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-SCE-TP 1/4	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-SCE-TP 1/4-6H	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-TP 1/2	Auto or Manual Conversion	CM-SCE-TP 1/2-4H
CM-TP 1/4	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
CM-TP 1/4-6H	Auto or Manual Conversion	CM-SCE-TP 1/4-4H
HL 1041NF025	Auto or Manual Conversion	HL 1041TS025
HL 1041NF033	Auto or Manual Conversion	HL 1041TS033
HL 1041NF038	Auto or Manual Conversion	HL 1041TS038
HL 1041NF050	Auto or Manual Conversion	HL 1041TS050
HL 1041NF070	Auto or Manual Conversion	HL 1041TS070
HL 1501NF025	Auto or Manual Conversion	HL 1501TS025
HL 1501NF033	Auto or Manual Conversion	HL 1501TS033
HL 1501NF038	Auto or Manual Conversion	HL 1501TS038
HL 1501NF050	Auto or Manual Conversion	HL 1501TS050
HL 1501NF070	Auto or Manual Conversion	HL 1501NF070
HL 2031NF025	Auto or Manual Conversion	HL 2031TS025
HL 2031NF033	Auto or Manual Conversion	HL 2031TS033
HL 2031NF038	Auto or Manual Conversion	HL 2031TS038
HL 2031NF050	Auto or Manual Conversion	HL 2031TS050
HL 2031NF070	Auto or Manual Conversion	HL 2031TS070
HL 2531NF025	Auto or Manual Conversion	HL 2531TS025
HL 2531NF033	Auto or Manual Conversion	HL 2531TS033
HL 2531NF038	Auto or Manual Conversion	HL 2531TS038
HL 2531NF050	Auto or Manual Conversion	HL 2531TS050
HL 2531NF070	Auto or Manual Conversion	HL 2531TS070
HLX 104LM025	Auto or Manual Conversion	HLX 1041TS025
HLX 104LM033	Auto or Manual Conversion	HLX 1041TS033
HLX 104LM038	Auto or Manual Conversion	HLX 1041TS038
HLX 104LM050	Auto or Manual Conversion	HLX 1041TS050
HLX 150LM025	Auto or Manual Conversion	HLX 1501TS025
HLX 150LM033	Auto or Manual Conversion	HLX 1501TS033
HLX 150LM038	Auto or Manual Conversion	HLX 1501TS038
HLX 150LM050	Auto or Manual Conversion	HLX 1501TS050

HLX 203LM025	Auto or Manual Conversion	HLX 2031TS025
HLX 203LM033	Auto or Manual Conversion	HLX 2031TS033
HLX 203LM038	Auto or Manual Conversion	HLX 2031TS038
HLX 203LM050	Auto or Manual Conversion	HLX 2031TS050
HLX 253LM025	Auto or Manual Conversion	HLX 2531TS025
HLX 253LM033	Auto or Manual Conversion	HLX 2531TS033
HLX 253LM038	Auto or Manual Conversion	HLX 2531TS038
HLX 253LM050	Auto or Manual Conversion	HLX 2531TS050
HM 0402NF055SPCL	Manual Conversion Required	
HM 0402NF060	Auto or Manual Conversion	Multimark 2 x 30mmTT
HM 0402NF064	Manual Conversion Required	
HM 0403NF048	Manual Conversion Required	
HM 0403NF052	Manual Conversion Required	
HM 0403NF054	Manual Conversion Required	
HM 0403NF055	Manual Conversion Required	
HM 0403NF055SPCL	Manual Conversion Required	
HM 0403NF056	Manual Conversion Required	
HM 0403NF060	Auto or Manual Conversion	Multimark 3 x 20mmTT
HM 0404NF060	Auto or Manual Conversion	Multimark 4 x 15mmTT
HM 0404NF064	Manual Conversion Required	
HM 0405NF060	Manual Conversion Required	
HM 0406NF060	Auto or Manual Conversion	Multimark 6 x 10mmTT
HTCM 1/4	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM 1/4-6H	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-SCE 1/2-4H	Auto or Manual Conversion	HTCM-SCE-TP 1/2-4H
HTCM-SCE 1/2-6H	Auto or Manual Conversion	HTCM-SCE-TP 1/2-4H
HTCM-SCE 1/4	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-SCE 1/4-4H	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-SCE 1/4-6H	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-SCE-TP 1/2	Auto or Manual Conversion	HTCM-SCE-TP 1/2-4H
HTCM-SCE-TP 1/4	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-SCE-TP 1/4-6H	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-TP 1/2	Auto or Manual Conversion	HTCM-SCE-TP 1/2-4H
HTCM-TP 1/2-6H	Auto or Manual Conversion	HTCM-SCE-TP 1/2-6H
HTCM-TP 1/4	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
HTCM-TP 1/4-6H	Auto or Manual Conversion	HTCM-SCE-TP 1/4-4H
Multimark 2 x 30mmDM	Auto or Manual Conversion	Multimark 2 x 30mmTT
Multimark 3 x 20mmDM	Auto or Manual Conversion	Multimark 3 x 20mmTT
Multimark 4 x 15mmDM	Auto or Manual Conversion	Multimark 4 x 15mmTT
Multimark 6 x 10mmDM	Auto or Manual Conversion	Multimark 6 x 10mmTT
NCM -SCE 1/2-4H	Auto or Manual Conversion	NCM -SCE-TP 1/2-4H
NCM -SCE 1/2-6H	Auto or Manual Conversion	NCM -SCE-TP 1/2-6H
NCM -SCE 1/4-4H	Auto or Manual Conversion	NCM -SCE-TP 1/4-4H
NCM -SCE 1/4-6H	Auto or Manual Conversion	NCM -SCE-TP 1/4-4H
PERMARK PM07507	Manual Conversion Required	
PERMARK PM09512	Manual Conversion Required	

# Obsolete System 6 Continuous Products

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The following Obsolete System 6 Continuous Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Options</b>	<b>Auto Conversion Product</b>
DMVF 050-180	Auto or Manual Conversion	TTVF 050-180
DMVF 050-180-R	Auto or Manual Conversion	TTVF 050-180-R
DMVF 075-100	Auto or Manual Conversion	TTVF 075-100
DMVF 075-100-R	Auto or Manual Conversion	TTVF 075-100-R
DMVF 100-100	Auto or Manual Conversion	TTVF 100-100
DMVF 100-100-R	Auto or Manual Conversion	TTVF 100-100-R
DMVF 150-100	Auto or Manual Conversion	TTVF 150-100
DMVF 150-100-R	Auto or Manual Conversion	TTVF 150-100-R
DMVF 200-100	Auto or Manual Conversion	TTVF 200-100
DMVF 200-100-R	Auto or Manual Conversion	TTVF 200-100-R
DMVF 300-100	Auto or Manual Conversion	TTVF 300-100
DMVF 300-100-R	Auto or Manual Conversion	TTVF 300-100-R
DMVF 400-100	Auto or Manual Conversion	TTVF 400-100
DMVF 400-100-R	Auto or Manual Conversion	TTVF 400-100-R
Other 100-WP	Manual Conversion Required	
Other 100-WP-R	Manual Conversion Required	

# Obsolete System 6 Card Products

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The following Obsolete System 6 Card Products have been made obsolete in WinTotal v6.

If an obsolete product is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Product is detected then they will be given options to change the product. Some products will have **Auto Conversion** options where the user is recommended to use a specific alternative product. Other products have no **Auto Conversion** options so the user must manually select an alternative.

<b>Obsolete Product</b>	<b>Conversion Option</b>
BBK 012027AB05WE10	Manual Conversion Required
BBK 012027AB05WE10-R	Manual Conversion Required
BBK 012027PV05**10	Manual Conversion Required
BBK 012027PV05**10-R	Manual Conversion Required
BBK 012054AB05WE10	Manual Conversion Required
BBK 012054AB05WE10-R	Manual Conversion Required
BBK 012054PV05**10	Manual Conversion Required
BBK 012054PV05**10-R	Manual Conversion Required
BBK 013037AB05WE10	Manual Conversion Required
BBK 013037AB05WE10-R	Manual Conversion Required
BBK 013037PV05**10	Manual Conversion Required
BBK 013037PV05**10-R	Manual Conversion Required
BBK 013043AB05WE10	Manual Conversion Required
BBK 013043AB05WE10-R	Manual Conversion Required
BBK 013043PV05**10	Manual Conversion Required
BBK 013043PV05**10-R	Manual Conversion Required
BBK 015054AB05WE10	Manual Conversion Required
BBK 015054AB05WE10-R	Manual Conversion Required
BBK 015054PV05**10	Manual Conversion Required
BBK 015054PV05**10-R	Manual Conversion Required
BBK 015083AB05WE10	Manual Conversion Required
BBK 015083AB05WE10-R	Manual Conversion Required
BBK 015083PV05**10	Manual Conversion Required
BBK 015083PV05**10-R	Manual Conversion Required
BBK 018027AB05WE10	Manual Conversion Required
BBK 018027AB05WE10-R	Manual Conversion Required
BBK 018027PV05**10	Manual Conversion Required
BBK 018027PV05**10-R	Manual Conversion Required
BBK 018052AB05WE10	Manual Conversion Required
BBK 018052AB05WE10-R	Manual Conversion Required
BBK 018052PV05**10	Manual Conversion Required
BBK 018052PV05**10-R	Manual Conversion Required
BBK 027043AB05WE10	Manual Conversion Required
BBK 027043AB05WE10-R	Manual Conversion Required
BBK 027043PV05**10	Manual Conversion Required
BBK 027043PV05**10-R	Manual Conversion Required
BBK 027086AB05WE10	Manual Conversion Required
BBK 027086AB05WE10-R	Manual Conversion Required
BBK 027086PV05**10	Manual Conversion Required
BBK 027086PV05**10-R	Manual Conversion Required
BBK 040RDPV05**10	Manual Conversion Required
BBK 040RDPV05**10-R	Manual Conversion Required
BBK 054086AB05WE10	Manual Conversion Required
BBK 054086AB05WE10-R	Manual Conversion Required
BBK 054086PV05**10	Manual Conversion Required

BBK 054086PV05**10-R	Manual Conversion Required
BBK 054100AB05WE10	Manual Conversion Required
BBK 054100AB05WE10-R	Manual Conversion Required
BBK 054100PV05**10	Manual Conversion Required
BBK 054100PV05**10-R	Manual Conversion Required
BBK 054150AB05WE10	Manual Conversion Required
BBK 054150AB05WE10-R	Manual Conversion Required
BBK 054150PV05**10	Manual Conversion Required
BBK 054150PV05**10-R	Manual Conversion Required
BBK 054200AB05WE10	Manual Conversion Required
BBK 054200AB05WE10-R	Manual Conversion Required
BBK 054200PV05**10	Manual Conversion Required
BBK 054200PV05**10-R	Manual Conversion Required
BBL 012027AB05WE23	Manual Conversion Required
BBL 012027AB05WE23-R	Manual Conversion Required
BBL 012027PV05**23	Manual Conversion Required
BBL 012027PV05**23-R	Manual Conversion Required
BBL 012054AB05WE23	Manual Conversion Required
BBL 012054AB05WE23-R	Manual Conversion Required
BBL 012054PV05**23	Manual Conversion Required
BBL 012054PV05**23-R	Manual Conversion Required
BBL 013037AB05WE23	Manual Conversion Required
BBL 013037AB05WE23-R	Manual Conversion Required
BBL 013037PV05**23	Manual Conversion Required
BBL 013037PV05**23-R	Manual Conversion Required
BBL 015054AB05WE23	Manual Conversion Required
BBL 015054AB05WE23-R	Manual Conversion Required
BBL 015054PV05**23	Manual Conversion Required
BBL 015054PV05**23-R	Manual Conversion Required
BBL 018027AB05WE23	Manual Conversion Required
BBL 018027AB05WE23-R	Manual Conversion Required
BBL 018027PV05**23	Manual Conversion Required
BBL 018027PV05**23-R	Manual Conversion Required
BBL 018052AB05WE23	Manual Conversion Required
BBL 018052AB05WE23-R	Manual Conversion Required
BBL 018052PV05**23	Manual Conversion Required
BBL 018052PV05**23-R	Manual Conversion Required
BBL 054086AB05WE43	Manual Conversion Required
BBL 054086AB05WE43-R	Manual Conversion Required
BBL 054086PV05**43	Manual Conversion Required
BBL 054086PV05**43-R	Manual Conversion Required
BBL 054100AB05WE43	Manual Conversion Required
BBL 054100AB05WE43-R	Manual Conversion Required
BBL 054100PV05**43	Manual Conversion Required
BBL 054100PV05**43-R	Manual Conversion Required
BBL 054150AB05WE43	Manual Conversion Required
BBL 054150AB05WE43-R	Manual Conversion Required
BBL 054150PV05**43	Manual Conversion Required
BBL 054150PV05**43-R	Manual Conversion Required
BBL 054200AB05WE43	Manual Conversion Required
BBL 054200AB05WE43-R	Manual Conversion Required
BBL 054200PV05**43	Manual Conversion Required
BBL 054200PV05**43-R	Manual Conversion Required
BBS 040RDPV05**00	Manual Conversion Required
BBS 040RDPV05**00-R	Manual Conversion Required
BET 008027PV05SI00	Manual Conversion Required
BET 008027PV05SI00-R	Manual Conversion Required
BET 012027PV05SI10	Manual Conversion Required
BET 012027PV05SI10-R	Manual Conversion Required
BET 016027PV05SI10	Manual Conversion Required

BET 016027PV05SI10-R	Manual Conversion Required
BET 018027PV05SI00	Manual Conversion Required
BET 018027PV05SI00-R	Manual Conversion Required
BET 019027PV05SI10	Manual Conversion Required
BET 019027PV05SI10-R	Manual Conversion Required
BET 022022PV05SI10	Manual Conversion Required
BET 022022PV05SI10-R	Manual Conversion Required
BET 027027PV05SI10	Manual Conversion Required
BET 027027PV05SI10-R	Manual Conversion Required
BET 030041PV05SIID	Manual Conversion Required
BET 030041PV05SIID-R	Manual Conversion Required
BGF 006015PV01**SK	Manual Conversion Required
BGF 006015PV01**SK-R	Manual Conversion Required
BGF 008018PV01**SK	Manual Conversion Required
BGF 008018PV01**SK-R	Manual Conversion Required
BGF 008020PV01**SK	Manual Conversion Required
BGF 008020PV01**SK-R	Manual Conversion Required
BGS 009015AB05WE10	Manual Conversion Required
BGS 009015AB05WE10-R	Manual Conversion Required
BGS 009015PV05**10	Manual Conversion Required
BGS 009015PV05**10-R	Manual Conversion Required
BGS 011018AB05WE10	Manual Conversion Required
BGS 011018AB05WE10-R	Manual Conversion Required
BGS 011018PV05**10	Manual Conversion Required
BGS 011018PV05**10-R	Manual Conversion Required
BKB 011043PV05**4L	Manual Conversion Required
BKB 011043PV05**4L-R	Manual Conversion Required
BKB 011086PV05**4L	Manual Conversion Required
BKB 011086PV05**4L-R	Manual Conversion Required
BKB 012054PV05**4L	Manual Conversion Required
BKB 012054PV05**4L-R	Manual Conversion Required
BKB 020RDPV05**13	Manual Conversion Required
BKB 020RDPV05**13-R	Manual Conversion Required
BTS 015083AB05WE00	Manual Conversion Required
BTS 015083AB05WE00-R	Manual Conversion Required
BTS 015083PV05WE00	Manual Conversion Required
BTS 015083PV05WE00-R	Manual Conversion Required
BTS 027043AB05WE00	Manual Conversion Required
BTS 027043AB05WE00-R	Manual Conversion Required
BTS 027043PV05WE00	Manual Conversion Required
BTS 027043PV05WE00-R	Manual Conversion Required
BTS 027086AB05WE00	Manual Conversion Required
BTS 027086AB05WE00-R	Manual Conversion Required
BTS 027086PV05WE00	Manual Conversion Required
BTS 027086PV05WE00-R	Manual Conversion Required
BTS 054086AB05WE00	Manual Conversion Required
BTS 054086AB05WE00-R	Manual Conversion Required
BTS 054086PV05WE00	Manual Conversion Required
BTS 054086PV05WE00-R	Manual Conversion Required

# Obsolete Fonts

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The following Printer Embedded fonts have been made obsolete in WinTotal v6.

If an obsolete font is required please use WinTotal v5.

If a WinTotal v5 Set is opened using the [Open Set](#) option and an Obsolete Font is detected then they will be given options to change the product. The **Auto Conversion** will select a font that ensures no data is lost in the conversion. This can be changed by the user if required but the data should be thoroughly checked to ensure no data is missing in the conversion.

Printer Models	Obsolete Font	Auto Conversion Font	Auto Conversion Font Size	
T308S T312S T312M T312Mi T312Z T408M T412S T424S Zebra 170xi	12 cpi vector	Courier New	7 pt.	
	10 cpi vector	Courier New	7 pt.	
	8 cpi vector	Courier New	9 pt.	
	7 cpi vector	Courier New	11 pt.	
	7 cpi bitmap	Courier New	16 pt.	
	EPSON LQ	10 cpi Standard	Courier New	9 pt.
		12 cpi Standard	Courier New	9 pt.
		5 cpi Expanded	Courier New	17 pt.
6 cpi Expanded		Courier New	17 pt.	
17 cpi Condensed		Courier New	7 pt.	
19 cpi Condensed		Courier New	6 pt.	
5 cpi Double Width		Courier New	9 pt.	
6 cpi Double Width		Courier New	9 pt.	
10 cpi Double Height		Courier New	9 pt.	
12 cpi Double Height	Courier New	9 pt.		
T208M T208M-NEW T212M T212M-NEW	6 points, 8 x 12 dots	Courier New	4 pt.	
	7 points, 10 x 16 dots	Courier New	5 pt.	
	10 points, 12 x 20 dots	Courier New	7 pt.	
	12 points, 14 x 24 dots	Courier New	8 pt.	
T612M DS	6 pt. Triumvirate	Courier New	6 pt.	
	8 pt. Triumvirate	Courier New	7 pt.	
	10 pt. Triumvirate	Courier New	9 pt.	
	12 pt. Triumvirate	Courier New	12 pt.	
	14 pt. Triumvirate	Courier New	14 pt.	
	16 pt. Triumvirate	Courier New	16 pt.	
	18 pt. Triumvirate	Courier New	18 pt.	
	20 pt. Triumvirate	Courier New	25 pt.	
	30 pt. Triumvirate	Courier New	25 pt.	
	6 pt. Triumvirate Bold	Courier New	6 pt.	
	8 pt. Triumvirate Bold	Courier New	7 pt.	

	10 pt. Triumvirate Bold	Courier New	9 pt.
	12 pt. Triumvirate Bold	Courier New	12 pt.
	14 pt. Triumvirate Bold	Courier New	14 pt.
	16 pt. Triumvirate Bold	Courier New	16 pt.
	18 pt. Triumvirate Bold	Courier New	18 pt.
	20 pt. Triumvirate Bold	Courier New	25 pt.
	30 pt. Triumvirate Bold	Courier New	25 pt.
Wheel.10 and above Wheel. 3,5 and 6 Wheelprinter E	10 CPI	Courier New	6 pt.
	12 CPI	Courier New	5 pt.
	15 CPI	Courier New	8 pt.
	17 CPI	Courier New	7 pt.
LMS9000	4 pt. Roman S	Courier New	4 pt.
	5 pt. Roman S	Courier New	5 pt.
	6 pt. Roman S	Courier New	6 pt.
	7 pt. Roman S	Courier New	7 pt.
	8 pt. Roman S	Courier New	8 pt.
	9 pt. Roman S	Courier New	9 pt.
	10 pt. Roman S	Courier New	10 pt.
	Roman S (3.8 mm)	Courier New	8 pt.
	11 pt. Roman S	Courier New	11 pt.
	12 pt. Roman S	Courier New	12 pt.
	13 pt. Roman S	Courier New	13 pt.
	14 pt. Roman S	Courier New	14 pt.
	15 pt. Roman S	Courier New	15 pt.
	16 pt. Roman S	Courier New	16 pt.
	17 pt. Roman S	Courier New	17 pt.
	18 pt. Roman S	Courier New	18 pt.
	19 pt. Roman S	Courier New	19 pt.
	20 pt. Roman S	Courier New	20 pt.
	21 pt. Roman S	Courier New	21 pt.
	22 pt. Roman S	Courier New	22 pt.
	23 pt. Roman S	Courier New	23 pt.
	24 pt. Roman S	Courier New	24 pt.
	25 pt. Roman S	Courier New	25 pt.
	4 pt. Roman D	Courier New	4 pt.
	5 pt. Roman D	Courier New	5 pt.
	6 pt. Roman D	Courier New	6 pt.
	7 pt. Roman D	Courier New	7 pt.
	8 pt. Roman D	Courier New	8 pt.
	9 pt. Roman D	Courier New	9 pt.
	10 pt. Roman D	Courier New	10 pt.
	11 pt. Roman D	Courier New	11 pt.
	12 pt. Roman D	Courier New	12 pt.
	13 pt. Roman D	Courier New	13 pt.
14 pt. Roman D	Courier New	14 pt.	
15 pt. Roman D	Courier New	15 pt.	



	16 pt. Roman D	Courier New	16 pt.
	17 pt. Roman D	Courier New	17 pt.
	18 pt. Roman D	Courier New	18 pt.
	19 pt. Roman D	Courier New	19 pt.
	20 pt. Roman D	Courier New	20 pt.
	21 pt. Roman D	Courier New	21 pt.
	22 pt. Roman D	Courier New	22 pt.
	23 pt. Roman D	Courier New	23 pt.
	24 pt. Roman D	Courier New	24 pt.
	25 pt. Roman D	Courier New	25 pt.

# Technical Support

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If you experience any technical difficulties using the program, the first thing to do is to refer to this on-line help.

If the supplied documentation does not solve the problem contact the vendor that you purchased WinTotal from.

You can contact TE Connectivity Technical Support for any further assistance using the contact details below.

## Global Email Support

[ident.tech.support@te.com](mailto:ident.tech.support@te.com)

## Web Site Links

<http://www.te.com/products/identification-labeling>

## Telephone Support

### Australia

Toll Free 1-800-144-078

### New Zealand

Toll Free 0800-TYCO-HELP

### Ireland

Toll Free 800 557 810

### United Kingdom

Toll Free 0 800988 9177

### United States of America

Toll Free 1-800-430-7226