User Manual

Original Instructions



ClearTools Software





Important User Information

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

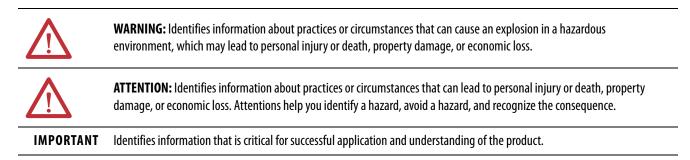
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The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.



Labels may also be on or inside the equipment to provide specific precautions.



SHOCK HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.



BURN HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.



ARC FLASH HAZARD: Labels may be on or inside the equipment, for example, a motor control center, to alert people to potential Arc Flash. Arc Flash will cause severe injury or death. Wear proper Personal Protective Equipment (PPE). Follow ALL Regulatory requirements for safe work practices and for Personal Protective Equipment (PPE).

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Introduction

About the Program

The program is used to caption and print labeling materials (Marker Cards and labels).

The program can be installed locally or as a network version for use over a network (see chapter "Network version", section "<u>Setup</u>").

About this manual

The manual assumes that you have practical experience of the Microsoft Windows operating system used by the software.



If you are not familiar with the basics of Windows, please refer to the Windows user manual.

Layout and format

This user manual applies the following conventions:

- **Bold** Important elements in the program like buttons, menu items, toolbars, names, etc. are shown in bold.
- " " Names of windows and references to other chapters and sections are enclosed in double quotes.
- > This character separates two successive menu items (e.g. View > Zoom)
- This symbol means that the actions which follow must be carried out in the specified order.

Symbols used



Indicates that this is essential information about the program.



Indicates that this is useful additional information.

Definitions

This section explains the special terms that are used in the software.

Marker

A marker is used to identify an electrical or electronic element (terminal, conductor, system, device, etc.) and also to caption an asset.

Marker type Marker of a specific type, e.g. Marker Card 1492-Mxxxx.

Installation note



In order to install the program you need administrator rights on the computer involved.

General Operation

Introduction

This chapter explains the various ways you can start and exit the program. You will also find general information about the program structure and the layout of the user interface.

Starting / exiting the program

Starting the program



Double-click on the icon on your computer desktop.

Exiting the program

Select File > Exit on the menu bar.

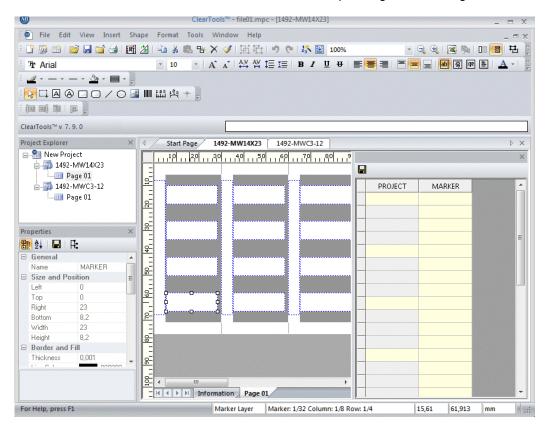
If a project is still open, a dialog box appears where you can save the project.

User interface

The user interface is where you edit the markers.

It is displayed automatically when you start the program. The user interface contains everything you need for editing a marker.

The user interface can consist of different elements, depending on the configuration.



You will find more information in chapter "User interface".

Supported file types

The following file types are supported when files are opened:

- ClearTools™ Content File (*.mpc)
- ClearTools™ Order File (*.mpo)
- ClearTools[™] Document (*.abp)
- ClearTools™ Document (*.mld)
- ClearTools™ Document (*.tmf)
- ClearTools™ Export File (*.rde)
- TXX/TXY Files (*.txx; *.txy)
- Microsoft® Excel® Worksheet (*.xls)
- XMT File (*.xmt, *.txt)

Commonly used functions

This section describes the commonly used functions by way of example.

Editing elements

You can create elements by selecting "Insert" from the menu bar or via the "Elements" toolbar (see chapter "<u>Toolbars</u>").

Before you can edit one or more elements, you first have to select them (see chapter "<u>Selecting</u> <u>elements</u>").

See also chapter "Properties window".

When inserting elements or subsequently changing their size, it is possible to retain or change the symmetry of the elements (see chapter "<u>Symmetry of elements</u>").

Inserting a text field



Create new text field

Click on this toolbar icon or select **Insert** > **Text Field** on the menu bar. Move the mouse to where you want to enter the text.



Create new rounded text field

Same functions as a normal text field. Select **Insert** > **Rounded Text Field**. Use the "Anchor angle" property to determine the start angle of the text. If the mouse pointer looks like this, you can create a text field.

If the mouse Press and he

Press and hold down the left mouse button. Drag the mouse to create a frame and release the mouse button. An editing field opens where you can enter text.



You can only enter text in text fields:

if the mouse pointer looks like this, you cannot enter text.



If a text field shows a red triangle when text has been inserted, the text does not fit into the field. Not all of the text is displayed or printed. In this case you must shorten the text or let the program fit it automatically (see "Adjusting the font size" in chapter "Format menu").



If a text field shows an orange triangle when text has been inserted, singleline text is displayed in multiple lines because the text field is too narrow. (See "Adjust marker length" in chapter "Format menu").

Inserting a shape

Create rectangle / square

Click on this icon or select **Insert** > **Rectangle** on the menu bar. Hold down the left mouse button and drag the mouse to create a rectangle.

Use the "Rounding X" or "Rounding Y" property to turn a normal rectangle into a rounded rectangle.



Rounded square / Create rounded rectangle

Click on this icon or select **Insert** > **Rounded Rectangle** on the menu bar. Hold down the left mouse button and drag the mouse to create a rounded rectangle.

Rounded rectangles only differ from normal rectangles due to the set "Rounding X" or "Rounding Y" property. If these values are set to 0, a normal rectangle is displayed.



Draw line

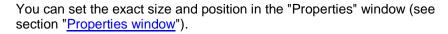
Click on this toolbar icon or select **Insert** > **Line** on the menu bar. Hold down the left mouse button as you draw the line.

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Draw circle / ellipse

Click on this icon or select **Insert** > **Ellipse** on the menu bar. Hold down the left mouse button and drag the mouse to create an ellipse.



Insert image

The program supports the image formats BMP, EMF, GIF ICO, JPG, PNG, WMF and TIFF.



Insert image

Click on this icon or select **Insert** > **Image** on the menu bar. Hold down the left mouse button and drag the mouse to create a frame. A selection dialog appears where you can select the image file and open it by clicking on the **Open** button. The selected image is inserted.

In the "Properties" window you can specify whether you want to keep the image in its original size or resize it to fit the frame. Images are not embedded in the field. The field only contains a link to the file. The path is displayed in the "Properties" window (see section "Properties window").

Insert barcode

The program supports the following barcode types:

- Code 39
- Code 128
- Code 2/5 Industrial
- Code 2/5 Interleaved
- EAN13 (with/without check digit)
- EAN8 (with/without check digit)
- EAN128
- UPC-A (with/without check digit)
- UPC-E (with/without check digit)
- QR-Code
- DataMatrix



Insert barcode

Select **Insert** > **Barcode** on the menu bar. A drop-down field shows the barcodes that can be selected. Drag the mouse to create an area and release the mouse button. The selected barcode is inserted.

In the "Properties" window you can enter the numeric or alphanumeric code (see section "<u>Properties window</u>").

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An internal check digit (e.g. code 8) is calculated for certain barcodes. This check digit must neither be entered manually nor imported with the barcode value.

If the check digit is transferred or entered, a different barcode type must be selected (e.g. "EAN 8" with check digit).

Inserting special characters

You can use the character map to select a font and see all characters and special characters that are available with that font.

To open the character map, select **View > Character Map > Font** on the menu bar.

C	Character Map X										
		ʰ @	9Aria	l Uni	code	MS					*
		İ	"	#	\$	%		I	()	^
		*	+	,	-		7	0	1	2	
		3	4	5	6	7	8	9	:	;	
		٨	=	$^{\sim}$?	0	А	В	С	D	
		Е	F	G	Н	Ι	J	К	L	М	
		Ζ	0	Ρ	Q	R	S	Т	U	\vee	
		W	Х	Υ	Ζ	[1]	۸		
			а	b	С	d	е	f	g	h	~

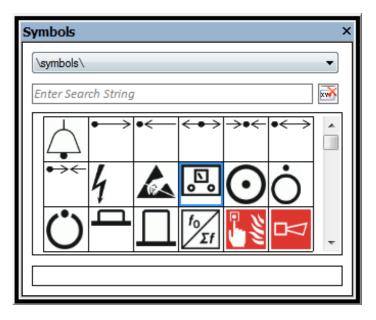
- Click on the upper arrow to select the font, and on the second arrow to select the language.
- Position the cursor where you want the character to appear.
- Double-click on the character you want to insert. It appears in the selected text field.

You can also use the shortcut menu to copy and paste a character from this window:

- Select the character you want to copy, press the right mouse button and select **Copy Character**.
- Position the cursor where you want the character to appear (inline editor), press the right mouse button and select **Insert** on the shortcut menu.

Inserting symbols

You can select and insert symbols using the Symbol Explorer. On the menu bar, select **View > Symbols** to open the Symbol Explorer.



Insert symbol

- Click on the symbol you want to insert.
- Move the mouse to the field you want to contain the symbol.
- Hold down the left mouse button and drag the mouse to create a rectangle. The symbol is inserted in the field.
- You can resize the symbol by clicking on it once and dragging the corners to make the rectangle larger or smaller.

Alternatively:

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- Select the field in which you want to insert the symbol.
- Double-click on the symbol that you want to insert.

You can adjust the appearance of the symbol via the "Size" property (see section "Behavior" in chapter "Adjusting properties").

Symbol directory

The drop-down field is preset to the default directory for symbols. For changes to the path, see chapter "Options dialog", section "Directory".

Searching/filtering the symbol directory

You can enter a string to search for or filter symbol files.

The following options are available:

Keyword(s)	Result
	If the search field remains empty, the entire content of the selected directory is displayed.
Symbol00?	A question mark is the wildcard for one character. The program will find, for example, "Symbol001.bmp" and "Symbol002.bmp".
Symbol*	An asterisk is the wildcard for any number of characters. The program will find, for example "Symbol010.bmp" and "Symbol020.bmp".

To reset the search field, click on M.

Inserting a scale

Straight or rounded scales can be inserted.

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Create new scale

Click on these icons on the toolbar or select $\ensuremath{\text{Insert}}\xspace > \ensuremath{\text{Scale}}\xspace$ or the menu bar.

Drag the mouse to create an area and release the mouse button.

A dialog opens in order to set the key data of the scale.

- Select the type of scale and set the values, intervals and captions.
- Scale captioning depends solely on the start and end value and the caption interval.

Example 1:

If start value = 0, end value = 8 and caption interval = 2, the following sequence is generated: 0, 2, 4, 6, 8

Example 2:

If start value = 1, end value = 100 and caption interval = 20, the following sequence is generated: 1, 21, 41, 61, 81

In this case, the end value 100 is not shown.

• The intervals of the tick marks (major / minor interval) always relate to the value range.

Example:

Value range (start / end value) from 0 to 50 and major interval = 10. 6 major tick marks are shown (0, 10, 20, 30, 40, 50). If caption interval = 10 is additionally selected, each major tick mark is also captioned.

Settings dialog

Rounded Scale Parameters		
Scale Type		l
Linear Scale		
Cogarithmic Scale	Base: 10.00	
Individual Scale	Reference Points]
Scale Definition		
Start Value:	0.00 Start Angle:	225
End Value:	10.00 End Angle:	135
Major Interval:	2.00	
Minor Interval:	1.00	
Continue .		
Captions	2.00	
Interval:	2.00	
Orientation:	Horizontal	
	Tangential	
	Rotate Captions by 180°	
Drawing Parameters		
Scale Radius:	7,925 mm	
Scale Height:	0.792 mm	
Fontsize:	6.00 Points	
	OK Cancel]

Scale type

Appearance of the Linear:	grid dimension. The following can be selected: The pattern of the value range is linear.
Logarithmic:	The pattern of the value range is square, i.e. a logarithmic scale is shown.
Adapted:	The pattern of the value range is defined by reference points. The pattern between reference points is linear (see chapter "Reference points").
Start value	

Caption at the start of the scale

End value Caption at the end of the scale

Major interval

Interval between the major tick marks (measured at the value range)

Minor interval

Interval between the minor tick marks (measured at the value range)

Start angle (only rounded scale)

Angle at which the rounded scale starts (see also chapter "Rounded scale").

End angle (only rounded scale)

Angle at which the rounded scale ends (see also chapter "Rounded scale").

Interval

Caption interval to the next caption in each case (from the start value) Example: If start value = 0, end value = 8 and caption interval = 2, the following sequence is generated: 0, 2, 4, 6, 8

Alignment (only rounded scale)

Appearance of the caption. The following can be selected:Horizontal:The caption is shown horizontallyTangential:The caption is shown tangentially (in the direction of the circle).

The caption can be rotated by 180° for both alignments.

Scale length or Scale radius

For a straight scale, the length of the inserted scale element. For a rounded scale, the inner radius of the scale element. The value is preset when dragging the element with the mouse.

Scale height

The scale height corresponds to the height of the major tick marks. The value is preset when dragging the element with the mouse.

The minor tick marks are always half as long as the major tick marks.

Font size

The font size of the caption. The value is preset when dragging the element with the mouse.



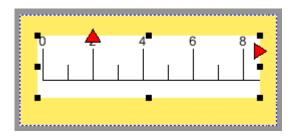
You can set the exact size, position and caption of the scale in the "Properties" window later (see section "<u>Properties window</u>").



For further information and examples, please refer to chapter "Scales".

Appearance information

If a scale shows red triangles, the chosen values do not fit into the dimensions of the scale element. In this case, use the mouse to enlarge the element in the displayed directions.



Snapping elements to the grid

To specify whether you want the elements to snap to the gridlines or not, select **View > Grid > Snap to Grid**.

The grid must be visible (Menu View > Grid > Show).

Selecting elements



Select element

After clicking on this icon, you can click on an element to select it.



Select multiple elements

If the elements you want to select are next to each other, you can select them all in a single action by dragging a frame around them. Click on this icon to activate the frame to select elements. Press and hold down the left mouse button. Drag the mouse to create a frame around the elements you want to select.

Moving elements

Elements on the project layer or marker layer can only be moved **within** the defined project area or marker area.

• Select the element you want to move by left-clicking on it. When you move the mouse pointer over the element, it changes into the following shape, which means you can move the element:



Hold down the mouse button and move the element to its new position.

Another way of moving an element is to define settings in the "Properties" window (see section "<u>Properties window</u>", "<u>Size and position</u>" category). You can enter exact values here.

Rotating elements

- Click on the element (text, shape, image, barcode) you want to rotate.
- Select Shape > Rotate....

The following window appears:

Rotate		×
Direction	Angle (relative to current position)	
⊙Left		
O <u>R</u> ight	⊖ <u>F</u> ree	
	<u>Q</u> K <u>C</u> ancel	

Specify the details of the rotation you want, then confirm by clicking on OK.



Note that, if necessary, the element will adapt to the dimensions of the marker area when it is rotated.

Example:

This image shows the element before it is rotated:



... and after the rotation:



Copying and pasting elements

In the course of copying and pasting, only the document-individual properties can be transferred.

However the properties are only transferred to their full extent if the same element type is involved (e.g. text on text, image on image).

- Click on the element(s) you want to copy.
- Select Edit > Copy.
- Click on the element that you want to paste into.
- Select Edit > Paste to paste the content OR Edit > Paste Elements to paste the element.

Not all elements can be pasted into other elements.

Cutting and pasting elements

- Select the element you want to cut.
- Select Edit > Cut.
- Click on the element that you want to paste into.
- Select Edit > Paste to paste the content OR Edit > Paste Elements to paste the element.

• Not all elements can be pasted into other elements (see chapter "<u>Copying and</u> <u>pasting elements</u>").

Duplicating elements

- Select the element you want to duplicate.
- Select Edit > Duplicate.
- The duplicated element is placed slightly offset on top of the original element.

Deleting elements

- Select the element you want to delete.
- Select Edit > Delete.
- In the **Delete** submenu, you have the following items to select from:

Field content	Only delete the content of the elements.
Entire field	Delete the entire field.
Selected markers	The entire markers with the selected elements on them are deleted without a confirmation prompt.
This page Pages	The currently visible page is deleted. A dialog opens to delete several pages.



If a menu item is not available (grayed out), the functionality for the selected situation cannot be used.

Locking elements

Text fields, image fields, barcodes and shapes can all be locked.

However, only in locked text fields is it still possible to change the content and formatting.

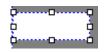
Among other things, the following properties are locked:

- Size and position
- Border and fill
- Field properties
- Orientation and tab order
- Select the element you want to lock.



Click on this toolbar icon to lock the selected element.

Example of a locked element



Creating square elements

For creating square elements, see chapter "Symmetry of elements"

Symmetry of elements

Symmetry of elements can be used to either keep the dimensions (aspect ratio) of the elements or to set them to the same values (square).

Various options are available:

Inserting while holding down the Shift key (square dimensions)

If you insert the elements while holding down the Shift key, the dimensions remain square. Exceptions:

- Line is inserted horizontally or vertically
- Rounded text field is always rounded
- Scale

Dragging while holding down the Shift+Alt keys (setting square dimensions)

If you drag existing elements (multiple selection possible) at their corners while holding down the shortcut Shift+Alt, the dimensions are changed quadratically.

Exceptions:

- Line is changed horizontally or vertically
- Scale

Dragging while holding down the Shift+Ctrl keys (keeping proportions)

If existing elements (multiple selection possible) are dragged at a corner while holding down the shortcut Shift+Ctrl, the proportions of the dimensions are kept. The aspect ratio is not changed. Exceptions:

- Line retains its angle
- Scale

Changing the order of elements

If a number of elements are arranged on top of each other, you can use the "Layout" toolbar to change the order of the elements.

The following settings apply to the selected element in the current layer.

-

- The element is moved one layer forward.

The element is moved one layer back.

The element is brought to the front.



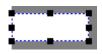
The element is sent to the back.

• Select the element you want to move, then click on the relevant icon.

You can also access these functions from the menu bar by selecting "Shape" and then the required layer setting.

Resizing elements

• Click on the element you want to resize.



• Drag the corners to make the element larger or smaller.

You can specify the exact dimensions in the "Size and position" category in the "Properties" window.

See section "Properties window".

Setting the same height

- Select the elements whose height you want to change, then click on this icon.
- To adjust the height, select **Shape** > **Same Height** on the menu bar.

Setting the same width

- Select the elements whose width you want to change, then click on this icon.
- To adjust the height, select **Shape > Same Width** on the menu bar.

Saving an image in a file

If you want to save **all** images embedded in the program file (e.g. for transferring the file), select **File > Embed Image and Save As...** and save the file under a different name.

All images are integrated/embedded in the file.

To save images embedded in files externally again, see chapter "<u>Transferring an image from a</u> <u>file</u>").

Transferring an image from a file

Images can be integrated in the program files (see section "<u>Content</u>"). The "Type" property of the image is set to the "integrated" value.

Proceed as follows to subsequently transfer these images from the file:

- Right-click on the integrated image.
- Select Save as Image... in the shortcut menu that opens.
- Select the path and image name and click on Save.

Grouping

Several (at least two) elements of a marker can be grouped.

• Select the elements to be grouped and select **Edit > Group**.

It is possible to compile groups to further groups.

Changes to certain properties have an effect on the whole group (e.g. line thickness, fill color). The group is selected via the first click on a group element. A further click on an element selects the element in the group, allowing its properties to be changed (e.g. its text).

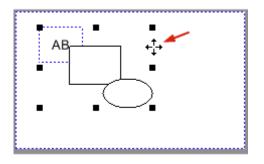
When a group is ungrouped, any groups within it are preserved.

Only elements of the same field type can be grouped (see also chapter "Field").

Selected elements within a group can be deleted from the group.

Moving a group with the mouse

A group can only be moved with the mouse at its outer limits. The mouse pointer changes accordingly.



Overview of existing groups

An overview of the existing groups is displayed in the object selection. A group can also be selected via this view (see chapter "<u>Selecting elements</u>").

Formatting text

You can format text and set lines using the "Formatting Text" toolbar or the "Properties" window.

Aligning text

To align text, select it and click the relevant icon in the "Formatting Text" toolbar.

Changing the barcode type

In the "Properties" window you can select a barcode type in the "Content" category (see also section "<u>Content</u>" in chapter "<u>Properties window</u>").

Pro	perties		×			
12: 24 🖬 🕂						
±	Border and Fill		^			
	Behaviour					
	Orientation	0				
	Locked	No				
	Size to Fit	Yes				
	Show Text	Yes				
	Printable	Yes				
	Read only	No				
	Tab Order	1				
Ŧ	Field					
	Content		_			
	Туре	Code 39 🗾 🔽				
	Text	Code 2/5 Interleaved	¥			
Code 2/5 Industrie						
	t the content type of s	Code 39 Code 128 EAN13				

- Select the desired barcode type in the field "Type".
- Next, in the "Text preview" field, you can enter the numeric or alphanumeric code, depending on the barcode type.
- Certain barcodes have further properties which can be selected (e.g. size or ECC level for the error correction value).

Editing layers

The pages of a marker type are organized into layers.

The individual layers are edited in the "Layers" window, see section "Properties window".

- To show or hide the layers, select **View** > **Layers** on the menu bar.
- Double-click on the layer name you want to change (e.g. "Marker layer") to open the "Layer Properties" window.

Layers	×
	纠
	Locked Layer Free Layer Marker Layer Project Layer Background Layer

Changing the layer name

You can change the layer name via the "Layer Properties" dialog box (see chapter "<u>Editing</u> <u>layers</u>").

• Enter the new name in the "Layer name" field and confirm your input by clicking on **OK**.

Layer Properties	
Layer <u>N</u> ame:	Marker Layer

The new name applies to this file.

Changing the layer color

You can change the colors of layers in the "Layer Properties" window. To open it, double-click the name of the layer you want to change (see chapter "<u>Editing layers</u>").

• Click on the arrow in the relevant field to change the border and fill color. You can select a color from the drop-down field.

Layer Properties					
Layer <u>N</u> ame:		Marker Layer			
Colors:					
Erame Color:	Default	Y Fill Color:	📃 Default 🌱		
		Default	Transparent		
Options:					
✓ Visible	6	Other	Outline Frames		
Set as Default OK Cancel					

• You can click on the **Other...** button for advanced color selection options.

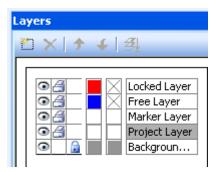
Here you can select a standard color or create a custom color.

Hiding a layer

• To disable a layer so that it is no longer visible, click on the eye icon:

۲

Layers not showing this icon will not be displayed.



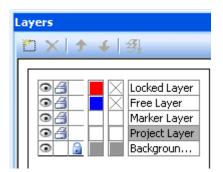
You can display the layer by clicking the box again.

Not printing a layer

• If you do not want to print a layer, click on the printer icon:

4

Layers not showing this icon will not be printed.



Adding a free layer

Unlike the other layers, free layers can be duplicated.

• Click on the following icon in the "Layers" window to add a new free layer.



If you click on the icon again, another free layer is added.

Removing a free layer

• In the "Layers" window, click on the free layer you want to remove. Click on this icon:

 \mathbf{X}



You can remove all free layers except for one, which must always be present.

Moving a free layer to another position

If you have created a number of free layers, you can move them in relation to each other, i.e. you can change the order of layers on top of each other.

The "Layers" window has the following icons:

Moves the layer up one layer.



÷

Moves the layer down one layer.

• Select the free layer you want to move and click on the relevant button.

Reducing free layers to a single layer

Click on this icon to reduce all free layers to a single layer:





You cannot select individual layers and reduce them. It is only possible to reduce all free layers to a single layer. Reduction to one layer cannot be undone!

Locking layers

You can lock specific layers to prevent the elements on them from being edited. Even text cannot be changed on a locked layer.

- Click on the layer you want to lock.
- In the "Layers" window, click inside the third column for the layer.

The following icon appears.

The layer is now locked and cannot be edited.

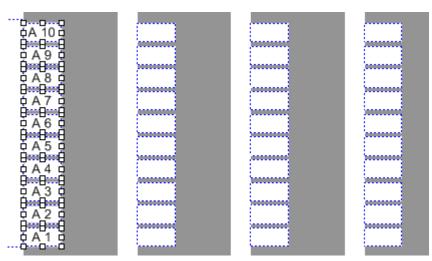
You can remove the lock by clicking on the field again.

Predefined text sequence

Defining a predefined text sequence

Follow these steps to define a text sequence:

• Open a marker type and insert the text to be saved (e.g. A 1 to A 10) into a text element.



- Select the text that you want to save as a text sequence.
- Select Tools > Predefined Text Sequence....
- Give the text sequence a revealing name.

Add
Remove
<u>S</u> ave
<u>C</u> ancel

• Click on Add and then on Save.

To insert a predefined text sequence, see section "Inserting a predefined text sequence".

Inserting a predefined text sequence

Follow these steps to insert a predefined text sequence (see "<u>Defining a predefined text</u> <u>sequence</u>"):

- Open a marker type and select the element after which you want to insert the predefined text sequence.
- Open Insert > Predefined Text Sequence....
- Select the required sequence and the number of inserts.

Predefined Text Sequence		
<u>N</u> umber of inserts of text sequence:	3	Insert
A <u>v</u> ailable text sequences:		<u>C</u> ancel
A 1-10		

• Click on **Insert**.

Here, the predefined text sequence was inserted three times:

A 10	A 10	A 10 0	
A 9	A 9	A 9	
A 8	A 8	A 8	
A 7	Α7	Α7	
A 6 A 5	A 6 A 5	A 6 A 5	
A 5 A 4	A 4	A 5 A 4	
A 3	A 3	A 3	
A 2	A 2	A 2	
A 1	A 1	A 1	

Consecutive numbering

Introduction

With the "Consecutive Numbering" function you can add consecutive numbers to marker types.



Only document-individual fields can be captioned with the Auto Fill function (see chapter "<u>Properties window</u>").

- Select the field or an area where you want the caption to appear.
- Select Insert > Consecutive Numbering....

The window for consecutive numbering opens up.

Consecutive Numbering window

Consecutive Number	ing			×
System <u> O</u> ecimal (0-9)		Input Sta <u>r</u> t value:		<u>o</u> k
○ PLC / Octal (0-7)		E <u>n</u> d value:	1	<u>C</u> ancel
O Hexadecimal (0-F)		Prefix:		Н <u>е</u> lp
O <u>A</u> lphanumeric		Suffi <u>x</u> :		Last seguence
◯ Character <u>s</u> tring		Bloc <u>k</u> :		Reset to de <u>f</u> ault
Options				Formatted sequence
Step:	1	Duplicate each <u>v</u> alue:	1	
Bloc <u>k</u> step:	1	Dyplicate sequence:	1	Preview
Sequence insert	+	Skip tags:	0	1 tag selected
Project fields				
Prefi <u>x</u> :		Counter:	0	5uffix:

The window has the following buttons:

0 <u>K</u>	Click on the OK button to confirm your inputs.
<u>C</u> ancel	Click on the Cancel button to cancel the process.
Н <u>е</u> lp	Click on the Help button to load the Help.
Last seguence	Click on the Last Sequence button to load the last sequence used.
Reset to de <u>f</u> ault	Click on the Reset to Default button to restore the predefined default values.

In the "System" group, select the notation you want to use for numbering.

Decimal

This uses the decimal system, i.e. the ten digits from 0 to 9, then 10, 11, 12, etc.

PLC/Octal

Choose this option to set a PLC-specific caption format. The PLC caption format usually includes two counters, separated by a period (e.g. 4.0).

Counter Y uses the octal system from 0 to 7, and block counter X uses the start value in the "Block" field in conjunction with the block step. The "Prefix" field usually contains a letter (e.g. I for Input), and a suffix can also be defined (see example 2).

Hexadecimal

This notation is based on the hexadecimal system, which uses the characters 0 to 9, A, B, C, D, E, F.

Example: 0, 1,9, A, B, C, D, E, F, 10, 11, ...,18, 19, 1A, 1B, 1C, 1D, 1E, 1F, 20, ... 29, 2A, ... 2F, 30, ... etc.

Alphanumeric

Three numbering sequences are possible with this option: a to z or A to Z or 0 to 9. Example: b to m (only one character is allowed, not AA to ZZ for example).

Character string

The same word is written to all the text fields, e.g. "ISB". Character strings: 1234 or ABCD or 1a2Bd3.

In the "Input" group, enter the following values:

Start value and End value

Numbering can be in ascending or descending order.

The values to which the "Start value" and "End value" fields are automatically set depend on the number of fields selected.

Prefix

You can prefix one or more alphanumeric characters to the counted value (e.g. Conductor or C or 2004-).

Suffix

You can append one or more alphanumeric characters to the counted value (e.g. left or X).

Block

This software defines a block as an additional counter inserted between the prefix and the start value.

The "Options" group is where you make the following settings:

Step

Here you define the value by which the start value will be incremented/decremented.

Examples:

If start value = 1, end value = 20 and step = 3, the following sequence of numbers is generated: 1, 4, 7, 10, 13, 16, 19

If start value = 8, end value = 2 and step = 2, the following sequence is generated: 8, 6, 4, 2

If start value = A, end value = K and step = 2, the following sequence is generated: A, C, E, G, I, K

Block step

Here you define the value by which you want to increment the block, e.g. block = 0 and block step = 2. Example: 0, 2, 4, 6...

Duplicating each value

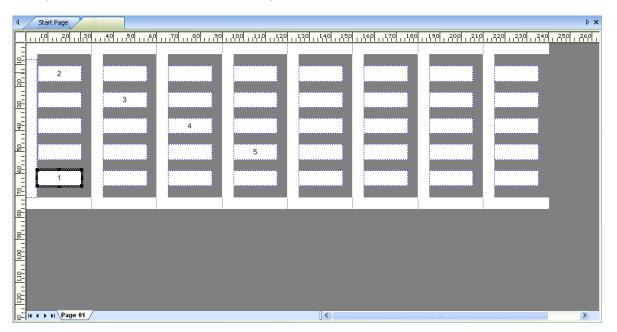
Here you specify how many times you want to duplicate each value. If you enter the value 2 in the field, the following sequence is generated for numbering from 1 to 5: 1, 1, 2, 2, 3, 3, 4, 4, 5, 5.

Duplicating a sequence

Here you specify how many times the sequence (the value between start and end) will be needed.

Skip markers

Here you specify the number of captioned fields you want to skip.



Example: Start value = 1, end value = 5, skip = 3

Insert sequence

Click on the check box to activate or deactivate this function.

If the fields you are captioning already contain text, you can specify where you want the text to appear. Select the relevant radio button:

Before existing text After existing text

If you do not activate this function, the entire content of the marker will be overwritten.

Project fields

Click on the check box to activate or deactivate this function.

This option enables you to automatically number project fields. The start value can be entered in the "Number" field (there is NO consecutive numbering if the "Number" field is deleted). You may also enter a "Prefix" or a "Suffix".

Formatted sequence

In the left field, enter the format for the block counter and, in the right field, enter the format for the numbering sequence defined by the start value and end value.

The following formatting options can be used for the block and the numbering sequence. The block format is only applied if the "Block" field contains an entry.

#.00	The numbers are formatted to two decimal places. For the number sequence 1 to 3, this produces the following formatted numbers: 1.00 then 2.00 then 3.00, etc.
\$#.00	A constant appears before the number (the dollar sign in this example).
#,###.00	Formats the number sequence 1000 to 2000 as follows: 1,000.00 then 1,001.00 then 1,002.00, etc.
0%	Formats the number sequence 1 to 5 as 100%, 200%,, 500% (percentage).

Preview

The first captioned field is displayed here.

Automatic recognition of field content

The Auto Fill function attempts to identify the text of the first selected field so it can put appropriate default settings in the "Consecutive Numbering" window.

For example, if you enter A4.0X in a text field, the system recognizes that A is the prefix, X is the suffix, the block counter is 4 and the start value is 0.

Additional fields for terminal markers

An extended dialog appears when a ClearMultiprint[™] Marking System terminal marker (pitched strip) is being added.

This dialog contains "Manual" and "Automatic", allowing you to choose whether you want to caption the markers manually or automatically.

If you choose automatic mode, a preview of the field content is shown at the bottom of the dialog.

Consecutive Numbering			X
Mode			ОК
Manual	Automatic		Cancel
System	Input]	Help
Decimal (0-9)	Start value:	1	Help
PLC / Octal (0-7)	End value:	1	Last sequence
Hexadecimal (0-F)	Prefix:		Reset to default
Alphanumeric	Suffix:		
Character string	Block:		
Options			Formatted sequence
Step:	1 Duplicate each value:	1	
Block step:	1 Duplicate sequence:	1	
	Skip tags:	0	
Preview			
Preview: first, second,	last		
1		 [

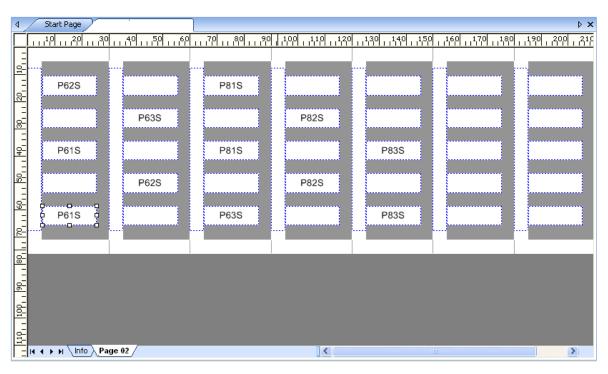
Example 1

We want to caption a Marker Card as follows:

The start value will be 1 and the end value will be 3. There will be a block in front of the value, counting from 0. Each number (block plus start value) will be preceded by a P and concluded by an S. One field will be skipped, i.e. there will be an empty field between the captioned fields. Each field will appear twice in succession. The values of the block entry will start at 0 and be incremented by 2, i.e. 0, 2, 4, 6.

Consecutive Numbering				
System <u>D</u> ecimal (0-9)		Input Start value:	1	<u>O</u> K
PLC / Octal (0-7)		End value:	3	Cancel
O Hexadecimal (0-F)		<u>P</u> refix:	Р	Help
○ <u>A</u> lphanumeric		Suffi <u>x</u> :	5	Last seguence
O Character <u>s</u> tring		Bloc <u>k</u> :	0	Reset to de <u>f</u> ault
Options				Formatted sequence
Step:	1	Duplicate each <u>v</u> alue:	2	0
Block step:	2	Dyplicate sequence:	5	Preview
Sequence insert		Skip tags:	1	1 tag selected
O <u>b</u> efore existing text		 after existing text 		P01S
Project fields				
Prefi <u>x</u> :		Counter:	0 5	uffix:

Result:



Example 2

PLC captioning format

The relays 4, 5 and 6 are to be captioned. Each of these relays has five inputs (= I), to be numbered from 0 to 4. Numbering is required to begin at I4.0 up to I4.4, then I5.0 to I5.4 and finally I6.0 to I6.4.

Consecutive Numbering			×
System Decimal (0-9) PLC / Octal (0-7) Hexadecimal (0-F) Alphanumeric	Input Start value: End value: Prefix: Suffi <u>x</u> :	04	QK Cancel Help Last sequence
Ocharacter string Options Step: 1 Block step: 1	Bloc <u>k</u> : Duplicate each <u>v</u> alue: Dyplicate sequence:	4.	Reset to default Formatted sequence 0 Preview
Sequence insert	Skip tags:	0 0 5	1 tag selected 14.0 uffix:

Result:

Start Page	
10 20 30 40 50 60 9 14.4 15.4 14.3 15.3 9 14.2 15.2 14.1 15.1 9 14.0 15.0 15.0 15.0	

Incrementing and decrementing

Instead of consecutive numbering, numeric values can also be incremented and decremented via a function.

Two options are available

- Automatic recognition of the numeric value by selecting two text fields (see "<u>Automatic</u> recognition of the numeric value")
- Continuation of the numeric value with a default value (see "<u>Continuing the numeric value</u>")
- **1** There is pattern recognition which only considers the numeric values of one text. Example: After incrementing, "A-10x" becomes "A-11x"



Any negative sign for a number is interpreted as a text character and is not taken into consideration.



The "Increment Value" and "Decrement Value" functions always fill the next text field. If there are several text fields on one marker, they are filled one after the other.

The step of the function can be set via the options (see chapter "Offsets").

Automatic recognition of the numeric value

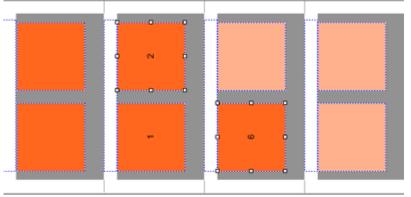
If you select two text fields with numbers, the difference between the figures in the two fields is used as the value.

Follow these steps:

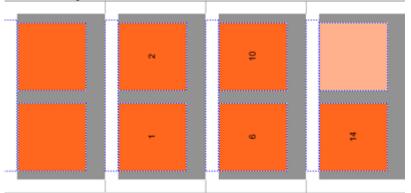
- Select at least two text fields with numeric values.
- Select Insert > Increment Value or Insert > Decrement Value

Example:

Selecting text fields



Incrementing values twice



Continuing the numeric value with a default value

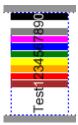
If you only select **one** text field with a number, a preset value is used for incrementing and decrementing. The respective step can be set via the options dialog (see chapter "<u>Offsets</u>").

Follow these steps:

- Select a text field with a numeric value.
- Select Insert > Increment Value or Insert > Decrement Value.

Color coding

The background and font colors of the numbers 0 to 9 can be set via the color coding option.



The settings for the background and font color are set via the options menu (see section "<u>Color</u> <u>coding options</u>" in chapter "Options dialog").



Color coding can only be used in single-lined text!



The color coding is applied to complete elements (not to parts of the text).



The color coding settings are saved in the project file (e. g. *.mpc). This enables you to create different files with different color codings.

If the color codings defined in the program differ from the ones defined in the project, the following message box appears:

	X
The values of the Digit Color Code Table in the project are different to the values used by default. Do you want to replace the project values with the defaults?	
<u>Y</u> es <u>N</u> o	

- Click on **Yes** to accept the color values defined in the program.
- Click on **No** to keep the color values defined in the project.

Synchronizing content

Text elements can be linked to other text elements (so-called data sources).

Follow these steps:

- Click on the text elements to which you want to assign a data source (e. g. TEXT FIELD 2).
- Open the "Properties" window (see chapter "Properties window")
- Enter the field name of the data source in the "Data Source" field (e. g. TEXT FIELD 1).
- Select Edit > Synchronize Content.

The content of TEXT FIELD 1 is transferred to TEXT FIELD 2.

Filter functions

Filter in fields

You can use the filter to view elements with special phrases. Select **View > Filter > Filter...** to show the filter dialog.

Example: Before the

filter:

Filter se

Filter setting:	Filter		
	Use this dialog box to limit y properties that you specify	your display to markers that have ′.	e the
	Condition		
	Filter on <u>F</u> ield(s):	All Textfields	~
	◯ <u>S</u> tarts with	⊙ Con <u>t</u> ains	
	Phrase:	1	
	<u>R</u> emove	Apply Cano	
Result:	13 18 12 17		
	11 16 10 15 1 14	21	

Overflow filter

You can show fields with text overflow via **View > Filter > Overflow filter.** These fields are shown with red triangles.

The overflow meter can be opened via **Format > Adjust font size...** (see chapter "General operation", section "<u>Adjusting the font size</u>").

The font size can be narrowed or shortened for these fields.

Resetting the filter

Filtered output (e.g. overflow filter) can be canceled via **View > Filter > Reset Filter**.

Multiple insert

You can insert multiple text fields, barcodes and images from the clipboard.

Multiple Insert	X
Number of inserts:	<u>O</u> K
 <u>P</u>aste Elements like Ctrl + Shift + V <u>1</u>,2,3,,1,2,3, 1,1,<u>2</u>,2,3,3,, 	<u>C</u> ancel

Select Edit > Multiple Insert... for multiple insertion.

Inserting a line break

This function allows line breaks to be inserted subsequently in the content of text fields.

To do this, select **Edit** > **Insert Line Break...** from the menu bar.

Insert Linebreak	X
At character position:	0
With reference to a substring	ıg:
Substring:	
	Match whole word
	Match case
Options	
Linefeed position:	ø before
	🔘 after
Insert in:	Ourrent Marker Type
	Selection
	O All Marker Types
Insert	Close

Excel editing

The content of existing text fields can also be edited in Excel. Select **Edit** > **Start Excel Editing.**

In Excel you can then edit the text content and all supported formats of the text fields.

Close Excel or select **Edit** > **Exit Excel Editing** in the program to transfer the content to the application.

Multi-level terminals

You can use this function to resort selected data with a predefined step. Select **Edit** > **Multi-level Terminal**.

If no markers are selected, sorting will be effected using all markers.

Example:

Default values:	Multi-level terminal selection 2	Multi-level terminal selection
	= Two-tier terminal	3 = Three-way terminal
	Sorting: 1,3,5,7,9	Sorting: 1,4,7,10
	then 2,4,6,8	then 2,5,8
		then 3,6,9
10 9 8 7 6 5 4 3 2 1	10 8 6 4 2 9 9 7 5 3 1	9 6 3 8 5 2 10 7 4 1

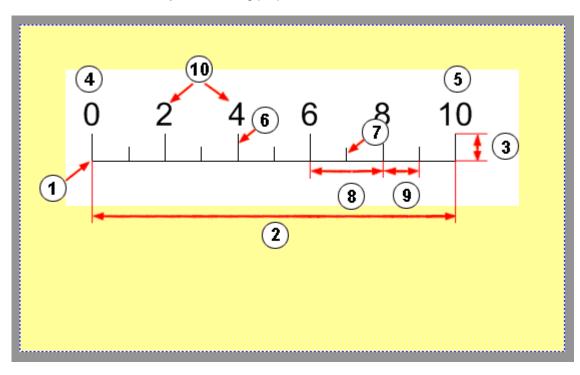
Scales

Scales and rounded scales can be inserted as new elements (see chapter "Inserting a scale".

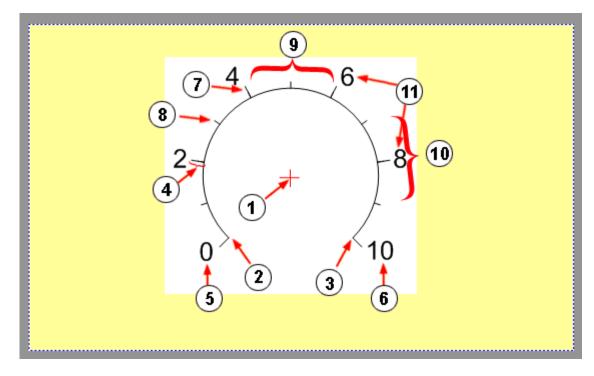
The start and end values determine the value range of the scale. The intervals of the tick marks (major / minor interval) always relate to the value range.

Scale properties

Scales are characterized by the following properties:



- 1 Scale zero-point (scale zero-point left, scale zero-point top)
- 2 Scale length
- 3 Scale height The scale height corresponds to the height of the major tick marks.
- 4 Start value (start and end values determine the value range of the scale.)
- 5 End value
- 6 Major tick mark
- 7 Minor tick mark
- 8 Interval of the major tick mark (major interval)
- 9 Interval of the minor tick mark (minor interval)
- 10 Caption interval



- 1 Scale zero-point (scale center left, scale center top)
- 2 Start angle (see also chapter "<u>Rounded scale</u>")
- 3 End angle
- 4 Scale height

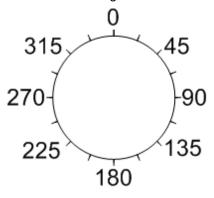
The scale height corresponds to the height of the major tick marks.

- 5 Start value (start and end values determine the value range of the scale.)
- 6 End value
- 7 Major tick mark
- 8 Minor tick mark
- 9 Interval of the major tick mark (major interval)
- 10 Interval of the minor tick mark (minor interval)
- 11 Caption interval

A further explanation of the properties can be found in chapter "Inserting a scale".

Rounded Scale

The base line of a rounded scale is a circular arc. The scale is arranged clockwise along the circular arc. The zero-point is at the top.



Tangential captioning causes the scale captions to be arranged tangentially to the base line (see "Example 1" in section "<u>Scale examples</u>").

Reference Points

The value pattern of a scale can also be defined by reference points. A reference point indicates the exact position of a value on the scale. The value pattern is linear between the reference points.

Reference Points for Scale	×
01. Distance (mm)	10
01. Value	4
ОК	Cancel



Add reference point

Adds a new reference point in the dialog.

P	Delete reference	point
---	------------------	-------

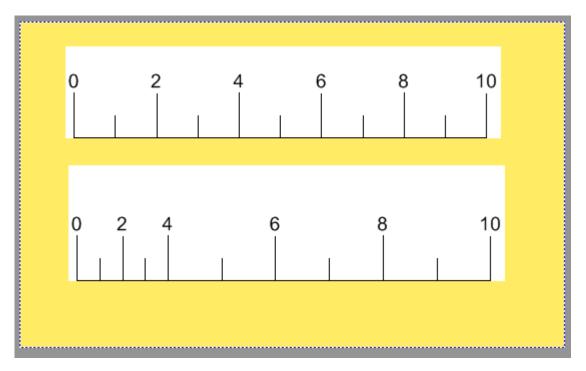
Deletes the selected reference point.

Interval The interval of the reference point from the start of the scale.

Value Caption value of the reference point. Whether the caption value is displayed or not depends on the selected caption interval of the scale.

With a straight scale, the value should be in the visible range of the element. With a rounded scale, it should be between the start angle and the end angle.

Example:



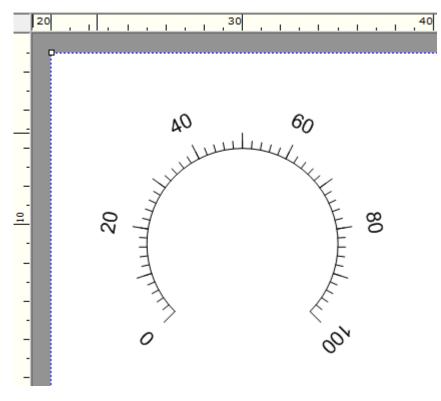
The upper scale does not contain reference points.

For the lower scale, a reference point with the value 4 has been defined at an interval of 10 mm.

At the selected caption interval of 2, the reference point is also captioned. The area before and after the reference point is also divided in a linear manner.

Scale examples

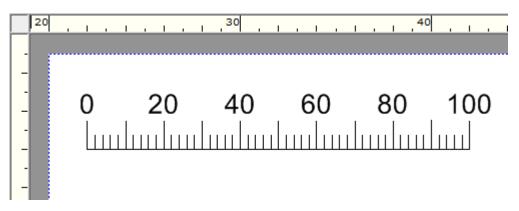
Example 1:



The illustration shows a round scale with the following properties:

Scale radius	5 mm
Start angle	225 (or -135)
End angle	135
Scale center left	10 mm
Scale center top	10 mm
Scale height	0.8 mm
Caption orientation	Tangential
Start value	0
End value	100
Value distribution	Linear
Major tick mark	10
Minor tick mark	2
Caption interval	20
Font size	3

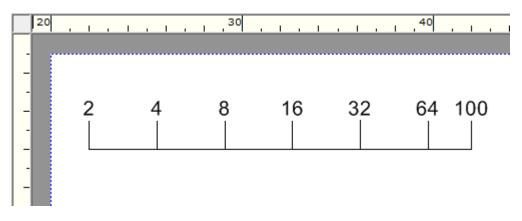




The illustration shows a scale with a linear value pattern and the following properties:

Scale length	20 mm
Scale zero-point left	2 mm
Scale zero-point top	5 mm
Scale height	1.5 mm
Start value	0
End value	100
Value distribution	Linear
Major tick mark	10
Minor tick mark	2
Caption interval	20
Font size	4

Example 3:



The illustration shows a scale with a logarithmic value pattern and the following properties:

Scale length	20 mm
Scale zero-point left	2 mm
Scale zero-point top	5 mm
Scale height	1.5 mm
Start value	2
End value	100
Value distribution	Logarithmic
Major tick mark	Automatic
Minor tick mark	Automatic
Caption interval	Automatic
Basis of the logarithmic scale	2
Font size	3

Document protection

The document protection feature lets you protect the layout of your project file against changes. Consequently only the content can be changed – like with a form.

Note the following document protection properties:

- Applies to all elements for which the "Locked" property has been set (see chapter "User interface", section "<u>Behavior</u>")
- Protects the "Locked", "Printable" and "Read only" properties, among other things
- Prevents the deletion, moving and addition of elements

Document Protection Settings

The following settings, among others, can be made by selecting "**Tools > Document Protection Settings...**" from the menu bar:

Document Protection Settings	×
Current Password:	
Set Document Protection	
Enter Password:	
Confirm Password:	
	Show Password
© Remove Document Protection	
ОК	Cancel

Current Password:

The current password has to be entered in order to change the password or remove document protection.

Set Document Protection

You can define a new password for document protection here. The previous password is overwritten.

Remove Document Protection

You can remove existing document protection here. The current password has to be entered.

Enabling document protection

Follow these steps to enable document protection:

- Create a project file and set the "Locked" property to "Yes" for all fields that need to be protected (see chapter "User interface", section "<u>Behavior</u>").
- Select Tools > Document Protection Settings... from the menu bar or click on the icon.
- If no password has been assigned yet, the document protection settings dialog opens.

Document Protection Settings	×
Current Password:	
Set Document Protection	
Enter Password:	
Confirm Password:	
	Show Password
© Remove Document Protection	
ОК	Cancel

• Type in a new password and click on **OK**.

Document protection has now been enabled.

That document protection has been enabled is shown

- on the toolbar by the enabled icon
- and after the version number (see chapter "<u>User interface</u>").

Disabling document protection

Follow these steps to disable document protection:

- Open a protected project file.
- Select Tools > Document Protection Settings... from the menu bar or click on the icon.
- A dialog opens, requesting the password.

When the password has been entered, document protection is disabled until the project file is closed again.

Removing document protection

Follow these steps to remove document protection:

- Open a protected project file.
- Select Tools > Document Protection Settings... from the menu bar or click on the icon.
- The document protection settings dialog opens.

Document Protection Settings	X
Current Password:	
Set Document Protection	
Enter Password:	
Confirm Password:	
	Show Password
Remove Document Protection	
ОК	Cancel

• Type in the current password, select "Remove Document Protection" and click on **OK**.

Document protection has now been disabled.

Adjusting the font size



If a text field shows a red triangle when text has been inserted, the text does not fit into the field. Not all of the text is displayed or printed.

The font size of text fields with overflow can be adjusted automatically.

The overflow meter can be opened via **Format > Adjust font size...** or automatically via the program after an import or before printing.

The dialog only appears if there are text fields with overflow.

A	djust Fontsize	×
	There are some fields with text overflow.	ОК
	 Filter overflow 	Cancel
	O Adjust fontsize in all fields	
	Adjust fontsize only in fields with overflow	
_		

Using the overflow filter

Only text fields with overflow are displayed (see chapter "General operation", section "<u>Overflow</u> <u>filter</u>" and section "<u>Resetting the filter</u>").

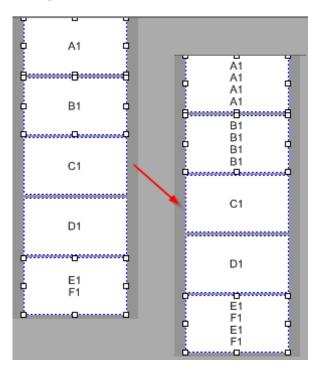
Filling a text field

This function reproduces the rows in a text field until the text field is filled without any overflow.

Only selected text fields are filled.

The function can be called by selecting **Insert** > **Fill Text Field** on the menu bar.

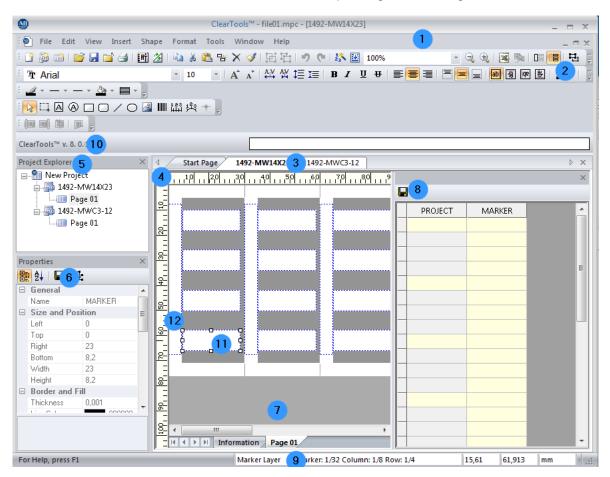
Example:



User Interface

Introduction

The user interface can consist of different elements, depending on the configuration.



1 Menu bar

The menu bar enables you to use the most important program functions. Menu items can be active or inactive.

2 Toolbars

You can use the toolbar icons to execute important commands. The toolbars are movable and dockable.

3 Tabs

Tabs are arranged below the toolbars. If you click on a tab, the associated marker type moves to the foreground.

4 Ruler

There are rulers along the top and the left of the workspace. You can use the rulers to measure distances and spacing.

5 Project Explorer

The default position of the Project Explorer is on the left of the user interface. The Project Explorer has a hierarchical structure and is used for managing projects (see section "<u>Project Explorer</u>").

6 Properties window

In the "Properties" window you can display and change the properties of various elements, such as text fields, images or barcodes (see chapter "Properties window").

7 Workspace

The workspace occupies the right of the user interface. Here you can view and edit the currently selected marker type.

8 Data Grid

The data grid is used to show and edit the contents of the marker elements "text field" and "barcode" in tabular form. (see chapter "<u>Data Grid window</u>").

9 Status bar

The status bar runs along the bottom of the user interface. The following items are shown:

- Active layer (e.g. marker layer, free layer, etc.)
- Number of available markers, columns, lines of the active layer
- Position of the cursor along the X and Y axes and the unit of length (e.g. mm)
- Status of the CAP, NUM and SCRL functions Active functions are shown in black.
- 10 Version number

Display of the current program version.

11 Marker areas

Printable areas on the marker types. By default, each marker area (short: marker) has a document-individual text element (see section "<u>Field</u>").

The marker areas are arranged on the marker layer.

12 Project layer

By default, the project layer has a document-individual text element, the so-called project marker.

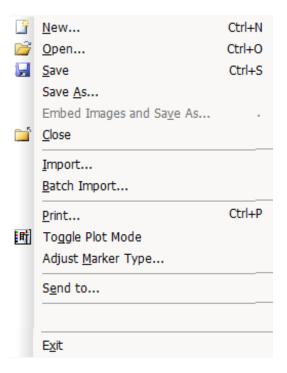
Elements

Text fields, shapes (lines, rectangles, ellipses, scales), images and barcodes are all referred to as "elements".

Menu bar

This section describes the most important functions of the individual menus.

File menu



New

You can use this menu item to create a new file.

Open

Opens an existing file. The specification of a file name can be set via the options dialog (see chapter "Options dialog", section "Environment", section "General").

Save

Saves a file you have been working on.

Save As...

Lets you specify a new name when you save a file.

Embed Images and Save As

Embed images available in the program file and save under the file name.

Close

Closes a file.

Import...

You can use this menu item to import data from other formats.

Batch import

You can import external data via a script.

Print...

This menu item displays the dialog box for printing marker types.

Toggle Plot Mode

Switches to plot mode (see section "Plot mode").

Adjust Marker Type...

Adjusts the marker type (see section "Adjusting the printer offset").

Send to...

This menu item enables you to send your current project by e-mail.

Recent Files

This part of the menu lists recently opened files.

Exit

You can use this menu item to exit the program.

Edit menu

9	<u>U</u> ndo	Ctrl+Z
6	Red <u>o</u>	Ctrl+Y
*	Cu <u>t</u>	Ctrl+X
	<u>C</u> opy	Ctrl+C
2	<u>P</u> aste	Ctrl+V
	P <u>a</u> ste Elements	Ctrl+Shift+V
	Multiple I <u>n</u> sert	Ctrl+M
"∦"	<u>D</u> uplicate	Ctrl+D
	Group	Ctrl+G
Ш	Ungroup	Ctrl+Shif+G
3	Start Excel editing	F5
	Exit E <u>x</u> cel editing	
	<u>F</u> ind	Ctrl+F
	<u>R</u> eplace	Ctrl+H
	Insert Line <u>b</u> reak	Ctrl+Shift+F
\$	Synchronize Content	Ctrl+Shift+Y
	<u>S</u> elect	•
	Del <u>e</u> te	•
	C <u>h</u> ange Marker Type	
	Delete <u>M</u> arker Type	
. 🛷	Format Painter	
₽↓	Sort Markers	
	Flip Markers	Ctrl+F9
1,3 2,4	Multi-le <u>v</u> el Terminal	
â↑	Sort Mar <u>k</u> ers Flip Markers	Ctrl+F9

Undo

This undoes the last editing step.

Redo

Redoes the steps that have been undone. Redoing relates to the basic functions and cannot be undone again

Cut

This menu item cuts one or several selected elements.

Сору

This menu item copies one or several selected elements.

Paste

This menu item pastes the clipboard content into a selected field.

Paste Elements

This menu item pastes a copied element into a selected field (e.g. a symbol).

Multiple insert

Inserts a copied element multiple times (see section "Multiple insert").

Duplicate

This menu item duplicates a selected element and places it (slightly offset) on top of the original element.

Group

Groups the selected elements (or groups) as a new group (see section "Grouping").

Ungroup

Ungroups the selected group.

Start Excel Editing

This menu item starts Excel editing (see section "Excel editing").

Exit Excel editing

This menu item ends Excel editing.

Find

Calls the search dialog. The current marker is checked for the entered search criterion. It is possible to search in several rows.

Replace

Opens the search/replace dialog. The current marker is checked for the entered search criterion. It is possible to search and replace in several rows.

Insert line break

Opens a dialog to insert line breaks (see section "Inserting a line break").

Synchronize content

Synchronizes all fields for which data sources exist (see section "Synchronizing content").

Select

This menu item gives you several options for selecting elements (e.g. All fields (current page) or All fields (all pages)).

Delete

This menu item gives you several options for deleting elements (e.g. text field, rectangle, pages, empty markers, duplicate markers, etc.).

Change Marker Type

This menu item enables you to change the marker type. The content is transferred (if possible).

Delete Marker Type

This menu item enables you to delete the marker type.

Format Painter

You can use this function to copy the formatting, font, color, etc. to another element.

Sort markers

Opens the dialog to sort the markers. Here, you can sort the markers by various sort criteria.

Flip Markers

This function enables you to flip the order of the selected markers.

Multi-level terminal

Opens the multi-level terminal dialog.

You can use this function to resort selected data with a predefined step (see chapter "<u>Multi-level</u> terminals").

View menu

	<u>T</u> oolbars	•
	<u>P</u> roject	
٩,	<u>L</u> ayers	
P	P <u>r</u> operties	
₹Å	Character <u>M</u> ap	
۲	Symbols	
	<u>D</u> ata Grid	
	Filter	۲
~	<u>S</u> tatus Bar	
	Show Start <u>P</u> age	
	R <u>e</u> set to Default	
	<u>Z</u> oom	•
뵤	Document Field Selection	
	<u>G</u> rid	+
1	Toggle <u>O</u> rientation	Ctrl+Shift+O

Toolbars

This menu item contains the following submenu items:

Standard The "Standard" toolbar cannot be disabled.

Layout To position elements (e.g. rotating, alignment)

Format text Contains text formatting functions like font and font size, color, etc.

Format Elements Contains the functions for formatting text elements such as line thickness or fill color.

Element

Selection box for inserting all available elements, such as text fields, images and barcodes.

Docking Bars View

This opens a window in which you can show or hide the various editing windows such as "Properties" and "Layers" and the Project Explorer.

Caption Bar

This option shows/hides the title bar showing the application name and version.

Customize ...

This shows a dialog box in which you can change the way the toolbar icons are displayed on screen, or even create new toolbars.

Project

Showing or hiding the Project Explorer.

Layers

Showing or hiding the "Layers" window.

Properties

Showing or hiding the "Properties" window.

Character Map

Showing or hiding the "Character Map" window.

Symbols

Showing or hiding the "Symbol" window.

Data Grid

Showing or hiding the data grid. This table is used for data entry. The data is shown simultaneously on the markers (see chapter "<u>Data Grid window</u>").

Filter

Filters your current marker according to certain criteria so that only the filtered result is shown (see section "<u>Filter functions</u>").

Status bar

Showing or hiding the status bar.

Show Start Page

Showing or hiding the start page in the workspace.

Reset to Default

Resets all changed settings to default.

Zoom

This menu item contains the following submenu items:

Maximize Maximize the drawing area display

Minimize Minimize the drawing area display

Original size Reset the size of the drawing area display

Document Field Selection

When a marker is selected, all marker fields are selected.

Grid

This menu item contains the following submenu items:

Show

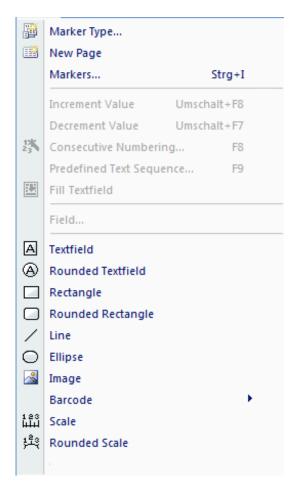
This option places gridlines over the marker type You can use the gridlines to help you align the elements (see chapter "<u>Snapping elements to the grid</u>").

Snap to Grid Here you specify whether you want elements to snap to the gridlines.

Toggle orientation

In the rotated view, all elements are shown rotated by 90°. The elements (e.g. barcode or text) can still be edited in WYSIWYG mode in the rotated view.

Insert menu



Marker Type...

You can insert a new marker type via this shortcut menu item. The product catalog is shown for selection.

New Page

Adds a new page for the current marker type.

Markers...

Adds a selectable number of markers to the marker type.

Increment Value

The numeric value of a marker/text element is incremented and inserted in the next marker/text element.



The previous content of the target text field is overwritten!

Decrement Value

The numeric value of a marker/text element is decremented and inserted in the next marker/text element.



The previous content of the target text field is overwritten!



The value is only decremented in the positive number range!

Consecutive Numbering...

This menu item allows you to number the markers automatically (see chapter "<u>Consecutive</u> <u>numbering</u>").

Predefined Text Sequence...

Inserts a predefined text sequence, see chapter "Inserting a predefined text sequence".



Predefined text sequences are only possible for text elements.

Fill text field

This function reproduces the rows in a text field until the text field is filled without any overflow. See chapter "Filling a text field".

Field

Here, you can insert the field functions (e.g. system date or page number).

Text field Adds a text field.

Rounded text field

Adds a rounded text field.

Rectangle Adds a rectangle.

Rounded Rectangle

Adds a rounded rectangle.

Line Adds a line.

Ellipse Adds an ellipse.

Image Adds an image.

Barcode

This menu item opens another submenu, where you can add a barcode of the type shown (e. g. Code 39, Code 2/5 Industrial, EAN13) (see section "<u>Insert barcode</u>").

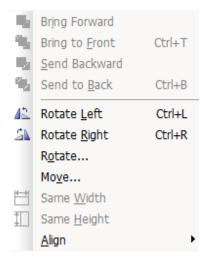
Scale

Adds a scale (see section "Inserting a scale").

Rounded Scale

Adds a rounded scale (see section "Inserting a scale").

Shape menu



You can use this menu to set the layer of the shape, rotate it, move it and change the width and height.

Moving a shape

• Select Shape > Move....

The following window appears:

Move	×
Direction Up Left O Right	OK Cancel
© Down	
Distance mm	

- Click on the relevant radio button to indicate the direction in which you want to move the element.
- Enter the number of millimeters (inches, μm, cm) you want to move the element. The unit of measure displayed depends on the settings in the options dialog.
- Confirm your input by clicking on **OK**.

Format menu



Font...

This opens the window in which you can define the font, font size and so on.

Adjust Fontsize...

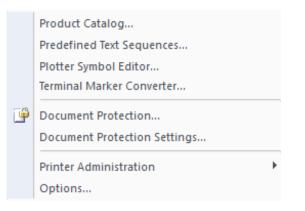
The font size of text fields with overflow can be adjusted automatically (see chapter "General operation", section "<u>Adjusting the font size</u>").

If the dialog is not shown, either the conditions for it have not been satisfied or display of the dialog has been suppressed (see chapter "Options dialog", section "<u>Environment</u>", subsection "General").

Color coding

Switches on color coding for the selected text fields (see chapter "Color coding").

Tools menu



Product Catalog...

Open the "Product Catalog" window, e.g. to add a new marker type to the current project.

Predefined Text Sequence...

You can use this menu item to define a text sequence which you can then insert via **Insert > Predefined Text Sequence...** (see also chapter "<u>Defining a predefined text sequence</u>").



Predefined text sequences are only possible for text elements.

Plotter Symbol Editor...

Opens the Plotter Symbol Editor (see section "Symbol Explorer/Plotter Symbol Editor").

Terminal Marker Converter...

This enables or disables document protection. If no password has been set for

Document Protection...

This enables or disables document protection. If no password has been set for document protection yet, the settings dialog opens (see chapter "<u>Document protection</u>").

Document Protection Settings...

Via the document protection settings dialog you can set a new password or remove document protection (see chapter "<u>Document protection settings</u>").

Printer Administration

• Printer Explorer...

If the Printer Explorer has been installed, this opens it for the following printers: ClearMultiprint[™] Marking System, ClearMark[™] Advanced Marking System. See chapter "<u>Printer Explorer</u>".

- Set Printer Correction... This adjusts the printer's feed rate (see section "Printer correction").
- Set Material-dependent Slip... With this menu item, you can correct the material slip.
- Status Monitor...

If the Status Monitor has been installed, this opens it for the following printers: ClearMultiprint[™] Marking System, ClearMark[™] Advanced Marking System. See chapter "<u>Status Monitor</u>".

Options

Opens the options dialog where you can define various personal settings, such as the unit of measure, color of grid lines etc. ... (see chapter <u>"Options Dialog</u>").

Window menu

<u>C</u>ascade <u>T</u>ile <u>A</u>rrange Icons C<u>l</u>ose All

Cascade

Select this menu item to arrange the open marker types and start page so they overlap each other.

Tile

Select this menu item to arrange the open marker types and start page so they are on top of each other in the workspace.

Arrange Icons

This menu item minimizes all windows to icon size.

Close All

This menu item closes all marker types. If you have not saved the file, a message box appears.

Help menu

Help To	opics
ClearTo	ols™ in WEB
About	ClearTools™
	I.
	1

Help Topics

This menu item takes you to online help.

Program on the Web

This menu item opens the program's website in your default browser.

About ...

Displays the version number.

Toolbars

This chapter describes the most important elements of the toolbars. Many of the standard icons such as Save, Format etc. are not described any further.

Standard

The "Standard" toolbar is always visible.

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Description	on of icons:
	Closing the file Closes the open project. A confirmation prompt concerning saving might appear.
E	Toggle plot mode Switches the view to plot mode. Unplottable elements (e.g. barcode, rectangle) are not shown in plot mode.
2	Toggle orientation Switches the view in the workspace between horizontal and vertical.
	Duplicate Duplicates the selected elements.
Ð	Group Groups the selected elements (or groups) as a new group (see section " <u>Grouping</u> ").
Ч	Ungroup Ungroups the selected group.
23	Consecutive numbering Opens the dialog for consecutive numbering (see chapter " <u>Consecutive</u> <u>numbering</u> ").
	Fill text field This function reproduces the rows in a text field until the text field is filled without any overflow. See chapter " <u>Filling a text field</u> ".
X	Start / exit Excel editing The content of text and barcode fields can also be edited in Excel (see chapter " <u>Excel editing</u> ").
	Toggle between active layers Switches between the project and marker layers.

Toggling can be automatic (see section "View" in the chapter "Options dialog").



Show or hide document field selection

When you click on an element (e.g. text, image), the associated elements are marked on the other marker (this does not apply to single fields).

Example of "showing":

Example	e of '	'hidi	ng":	:		

8

Lock element

Locks the selected element against format changes. Content (e.g. text) can still be adjusted (see also chapter "Locking elements").



Sort markers

Opens the dialog to sort the markers.

44

Synchronize content

Synchronizes the elements with a stored data source (see chapter "<u>Synchronizing content</u>").

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Document protection

Protects the open file against layout changes or removes document protection (see chapter "<u>Document protection</u>").

Layout

You can show or hide the "Layout" toolbar through the menu bar via View > Toolbars > Layout.



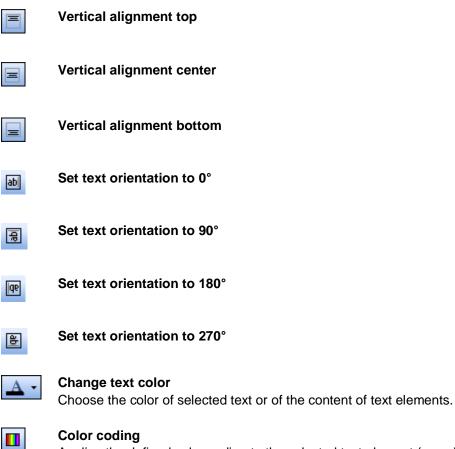
The icons enable you to edit the selected elements as follows:

- arrange them
- align them
- rotate them
- adjust their size

Format text

You can show or hide the "Formatting Text" toolbar through the menu bar via View > Toolbars > Format Text.

Τr Arial • 10 • | A Ă Ă 🖄 🖄 ভ ≔ | B Ι 및 Ψ | 三 三 🗐 三 🗐 🗟 🐨 🖹 | 🗖 🕶 🕑 Description of icons: Tr Arial - Choose font Choose the font for selected text or text elements. Choose font size 10 Ŧ Choose the font size for selected text or text elements. Increase font size A Increase the font size for selected text or text elements. Each click on the icon increases the font size by one. Decrease font size A Decrease the font size for selected text or text elements. Each click on the symbol decreases the font size by one. AV AV Increase / decrease character spacing The character spacing for the selected text elements is increased or decreased. Increase / decrease row height t≣i≣ The row height for the selected text elements is increased or decreased. Bold B Format the selected text or text elements in bold. Italic Ι Format the selected text or text elements in italics. Underline U Underline the selected text or the content of text elements. Strikethrough Ŧ Strike through the selected text or the content of text elements. Align left E Center Align right =



Applies the defined color coding to the selected text element (see chapter "<u>Color coding</u>").

Format Element

If you cannot see this toolbar, select View > Toolbars > Format Text.



You can also use the "Properties" window to change the color and fill pattern (see section "Border and fill").

Description of icons:

|--|

Line color

If you now draw a new line, it will have the chosen color. To change the color of existing lines, first select the lines and then choose the color you want.

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	_	=	L
			L
			L

Line thickness

If you now draw a new line, it will have the chosen thickness. To change the thickness of existing lines, first select the lines and then choose the thickness you want.

Line Type

If you now draw a new line, it will have the chosen line type. To change the type of existing lines, first select the lines and then choose the type you want.

Fill color

Change the fill color of selected elements.

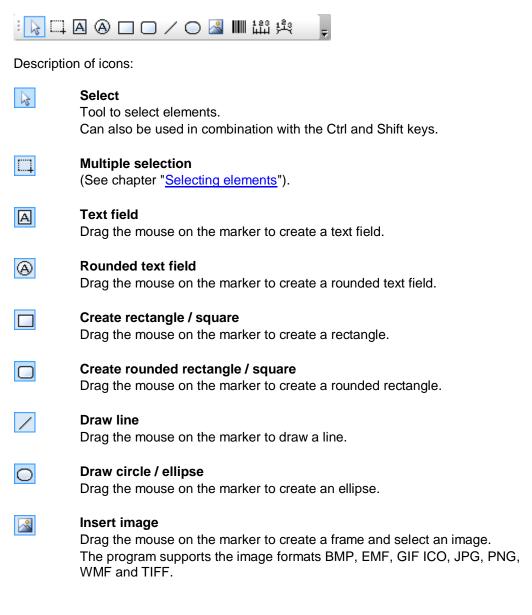


Fill Pattern

Change the fill pattern of selected elements.

Elements

You can show or hide the "Elements" toolbar through the menu bar via View > Toolbars > Elements.





Insert barcode

Drag the mouse on the marker to create a barcode field. The program supports the following barcode types:

Code 39

_

_

- Code 128
- Code 2/5 Industrial
- Code 2/5 Interleaved
- EAN13
- EAN8
- EAN128
- UPC-A
- UPC-E
- QR-Code
- DataMatrix

You can adjust the barcode type in the "Properties" window (see section "<u>Content</u>").

- Drag the mouse on the marker to create a straight scale. A dialog box opens for further settings (see chapter "<u>Inserting a scale</u>").
- Drag the mouse on the marker to create a rounded scale. A dialog box opens for further settings (see chapter "<u>Inserting a scale</u>").
 - You can set the exact size and position of elements in the "Properties" window (see chapter "Properties window").
 - You will find further instructions for inserting elements in chapter "Commonly used functions".

Docking Bars View

You can show or hide the "Docking Bars View" toolbar through the menu bar via **View > Toolbars > Docking Bars View**.

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Description of icons:

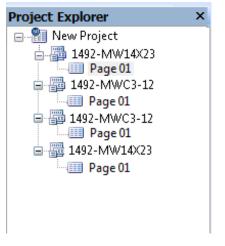
	Show or hide Project Explorer See also chapter " <u>Project Explorer</u> ".
(B),	Show or hide layers
-E	See also chapter "Editing layers".
	Show or hide properties
	See also chapter "Properties window".
ÞΣ Ast	Show or hide character map
A+	See also chapter "Inserting special characters".
k⊕)	Show or hide symbols
- U-	See also chapter "Symbol Explorer/Plotter Symbol Editor".
	Show or hide data grid
	See also chapter "Data Grid window".

Project Explorer

• You can show or hide this through the menu bar via View > Project.

When you open a project, it appears in the Project Explorer, with its subprojects. The individual marker types are shown for each subproject. The associated pages are among the marker types.

To see the details or to get a better overview, you can expand or reduce the lower-level hierarchical structures in the Project Explorer by left-clicking on the "+" and "-" icons:





If you press \mathbf{x} on the numeric keypad of your keyboard, you can open all the sublevels of a hierarchical level at once.

Shortcut menu

Click on an object in the Project Explorer, then press the right mouse button. This opens the shortcut menu.

The shortcut menu contains functions that are relevant to the particular object, i.e. only the functions in dark type are available.

C)	 ⊆opy
4	Paste
	<u>N</u> ew Project
P	Insert New M <u>a</u> rker Type
	Insert New Subproject
	Pr <u>i</u> nt
	Delete <u>t</u> his Page
	Delete <u>P</u> ages
	Delete <u>M</u> arker Type
	Delete <u>S</u> ubproject
	C <u>h</u> ange Marker Type
	A <u>d</u> d to Order
	View
	Close <u>F</u> ile

Сору

You can use this shortcut menu item to copy a selected marker type or subproject.

Paste

Select the project or subproject to which you want to paste the copied marker type or subproject.

New Project

This shortcut menu item enables you to create a new project.

Insert New Marker Type

You can insert a new marker type via this shortcut menu item. The new marker type will then appear in the Project Explorer.

Insert New Subproject

You can insert a subproject below the current project or subproject via this shortcut menu item.

Print

This opens the dialog box for printing marker types.

Delete this Page

Select the page you want to delete.

Delete Page

A selection dialog enables you to select the pages to be deleted.

Delete Marker Type

This shortcut menu item deletes the currently selected marker type. The deleted marker type no longer appears in the Project Explorer.

Delete Subproject

This item removes the currently selected subproject. The deleted subproject no longer appears in the Project Explorer.

Change Marker Type...

This menu item enables you to change the marker type.

View

Here you can switch between different views (see section "View menu").

Closing the file

The current project is closed. If you have not saved it yet, a confirmation prompt appears.

Properties window

The properties of the various elements (e.g. text field, image, barcode or scale) are visible in the "Properties" window.

• To show or hide, select **View > Properties** on the menu bar.

Properties ×				
🏭 🏚 🔜 🕂				
	General			
	Marker Type Title			
	Marker Type			
	Printer	Acrobat Distiller		
	Correction X (%)	100		
	Correction Y (%)	100		
	Variant Name			
	Order No. Blank			
	Project Mode	Yes		
	Additional Information			
Additional Information Additional informations about the Marker Type.				

The view of the "Properties" window can be selected via the icon buttons.

Show properties sorted by categories.

A.↓

Show properties sorted alphabetically.

- The defined properties are saved as defaults for the selected object. The properties of "locked" fields cannot be set as defaults. Unlock them first (see section "<u>Behavior</u>").
- F.

This displays all layers and the elements in the layers in a tree structure.

You will find more information in chapter "Marker properties".

Marker properties

If you click on the marker name in the Project Explorer, the marker properties are displayed.

Properties	×	
🎛 🄃 🖬 🛛 🗜	^	
Marker Type Title		
Marker Type		
Printer	Acrobat Distiller	
Correction X (%)	100	
Correction Y (%)	100	
Variant Name		
Order No. Blank		
Project Mode	Yes	
Additional Informa	tion	
Additional Informa	tion	
	s about the Marker Type.	
	s about the marker rype.	
Marker type title		
	- Title of marker type	
	- Title of marker type - You can change the name.	
Marker type	- You can change the name. The selected marker type.	
	- You can change the name.	ere, the program tries to ap
	- You can change the name. The selected marker type.	
	 You can change the name. The selected marker type. If you select another marker type h 	
	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). 	
Marker type	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). The printer mapped to the marker to t	
Marker type	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). 	
Marker type Printer	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). The printer mapped to the marker to printer to a marker type"). 	
Marker type Printer	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). The printer mapped to the marker to 	
Marker type Printer Correction	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). The printer mapped to the marker type printer to a marker type"). The saved printer corrections. 	type (see chapter " <u>Mappinc</u>
Marker type Printer	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). The printer mapped to the marker type printer to a marker type"). The saved printer corrections. Whether project mode has been set 	type (see chapter " <u>Mappinc</u>
Marker type Printer Correction	 You can change the name. The selected marker type. If you select another marker type h the content (see also "<u>Edit menu</u>"). The printer mapped to the marker type printer to a marker type"). The saved printer corrections. 	type (see chapter " <u>Mappin</u>

Showing properties

- To show the "Properties" window, select **View > Properties**.
- Click on the element with the properties you want to change.

_	⊉↓ 🖬 🕂		
=	General		^
	Name	TEXTBOX1	
3	Size and Position		
	Left	3,96	
	Тор	4,479	
	Right	22,481	
	Bottom	19,031	
	Width	18,521	
	Height	14,552	
-	Border and Fill		
	Thickness	0,001	
	Line Color	000000	
	Line Type	None None	
	Fill Color	FFFFFF	
	Fill Pattern	None None	
-	Behavior		
	Orientation	0	•
	Locked	No	
	Printable	Yes	
	Read only	No	
	Tab Order	1	
-	Field		
	Appearance	Document Individual	
-	Content		
	Text		_
	Data Source		
	Color Coding	No	~

element(s).

8

The "Properties" window shows different properties, depending on the selected element.

Locked (grayed-out) properties are either not available or locked for the selected element. To unlock, set the "Locked" property to "No" (see section "<u>Behavior</u>").

Adjusting properties

The "Properties" window is subdivided into the following categories, which are described in more detail below:

- General
- Size and position
- Border and fill
- Behavior
- Field
- Content

General



Name - Designation of the selected element.

- You can change the name.
- This name is also used in column mapping when files are imported (see chapter "<u>Step 7: Field mappings</u>").
- This name also appears as a column heading in the data grid.
- The name must not contain special or blank characters!

Size and position

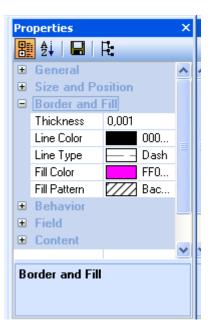
Properties ×				
General Size and Position				
	Left	6,606		
	Тор	4,729		
	Right	19,042		
	Bottom	9,756		
	Width	12,436		
	Height	5,027	~	
Size and Position				

You can use this category to specify the size and position of the element.

- Distances are measured from the zero point, which is located in the top left corner of the MarkerCard/label.
- The unit of measure is defined in the options dialog (see chapter "Options dialog").

The "Moving elements" section describes alternative methods for moving an element.

Border and fill



You can use this category to specify the line thickness, color, pattern and line type of the selected object. A color value can be entered directly for the color settings.

The color value is created as follows: RRGGBB (red, green, blue). Enter the hexadecimal value.

Example: FF0000 is red.

Fill Color	FF0000

Behavior

re	operties		×
_	🛛 🛃 🖬 Fa		
	General		^
	Name	BARCODE1	
±	Size and Posi	tion	
±	Border and Fil	I	
=	Behavior		
	Orientation	0	
	Locked	No	
	Size to Fit	Yes	
	Show Text	Yes	
	Printable	Yes	
	Read only	No	
	Tab Order	1	_
±	Content		~
			k
Dri	entation	- Element ori	enta
Jienation		- Only for text	
		- Document-i	
_00	cked	- Element loc	k

	- Document-individual property
Locked	 Element lock Locked elements cannot be modified. Exception: The content of text fields can still be modified. The properties of locked elements cannot be set as defaults. In addition, the lock can be protected with the document protection feature (see chapter "Document protection")
Size to fit	 The content is adjusted to the size of the barcode or image field or displayed in original size See example Only for image and barcode
Show text	 Shows or hides the plain text of a barcode field Only for barcode
Printable	- The element is or is not printed with the project.
Read only	 The content is locked so that it cannot be modified. Only for text field, image and barcode

Tab order	 Order by which the field is selected with the Tab/Enter key. Values from 1 to x are allowed Fields with the same tab order are selected in the order of their creation.
Fill order	Subsequently added fields (text, barcode) are made available for further editing via a unique value (e.g. for import, data grid, Excel editing).

Example:

Barcode		
Size to fit Yes	12345	The barcode field is compressed horizontally. The numbers thus close up.
Size to fit No		The original distance between the numbers remains, but not all content is shown.

Image				
Size to fit Without		The image is shown in its original size.		
Size to fit Proportionally		The image is adjusted to the dimensions of the image field and may be distorted.		
Size to fit Rectangle		The image is adjusted to the dimensions of the image field. The proportions are retained.		

Field

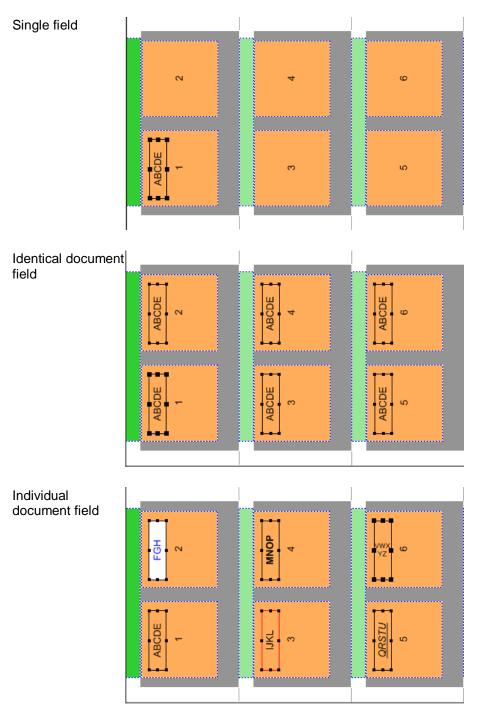
You can use the "Field" category to specify the type of the field.

Properties Properties Properties Propertie	> 民	<
 General Size and Po Border and Behavior Field 		
Appearance Content	Single	
Content		

You can choose from these field types:

Single field	 A single field has no association with any other field. Each single field has its own separate formatting and content. If you make changes to a single field, the changes only apply to that particular field. The opposite of a single field is a document field.
Identical documer field	 ht- Exists on every marker area. Has identical text content and position and formatting properties on every marker area.
Individual document field	 Exists on every marker area. Is a field with identical position and formatting properties on every marker area. But it may have individual (different) texts/text formats on every marker area.

Example:



Content

The content of single elements.

Properties	X	
🏭 🛃 🖌 🖬 🛛 🕂		
General	•	
Size and Posi	tion	
Border and Fi	I	
🗄 Behavior		
Field		
Content		
Text	ABC	
Data Source		
Color Coding	No	
Тур	Code 39	
File	C: \project	
General		
		-
		-
Fext preview	- The text co	ntent of the element.
	- Only for tex	t fields and barcodes.
	-	
Data source	- The name o	f the element acting as the data source for
		on (see chapter " <u>Synchronizing content</u> ").
		t fields and barcodes.
		t helds and balcodes.
	T I	
Color coding		color coding is applied to numbers entered (see " <u>Color</u>
	coding")	
	<u>coding</u> "). - Only for tex	t fields.
Туре	- Only for tex	
Гуре	- Only for tex - For images	the way the image is inserted.
Гуре	- Only for tex - For images <i>- Path</i> : the	the way the image is inserted. mage is inserted as a reference to an image file
Гуре	- Only for tex - For images - <i>Path</i> : the - <i>Embedde</i>	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project
Гуре	- Only for tex - For images - <i>Path</i> : the - <i>Embedde</i> - See also	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u>
Гуре	- Only for tex - For images - <i>Path</i> : the - <i>Embedde</i> - See also o an image fr	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file"
Гуре	- Only for tex - For images - Path: the - Embedde - See also o an image fr - For barcode	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type
Гуре	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial)
Гуре	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type
	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for image 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial)
	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for image 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes.
	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for image If an image 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes. of the "path" type is inserted, the image is selected via
File	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for imational "File". Only for imational 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes. of the "path" type is inserted, the image is selected via ages.
File	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for imational "File". Only for imational "File". Specifies the 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes. of the "path" type is inserted, the image is selected via ages. e angle at which the text starts. 0 corresponds to the
File	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for imational - If an image "File". Only for imational - Specifies the upper start p 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes. of the "path" type is inserted, the image is selected via ages. e angle at which the text starts. 0 corresponds to the position (12 o'clock).
Type File Anchor angle	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for imational of the second second (e.g. Code) Only for imational of the second second second second (e.g. Code) For barcode (e.g. Code) Only for imational of the second second second second (e.g. Code) Only for imational second second second (e.g. Code) Only for imational second second second second (e.g. Code) Only for route 	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes. of the "path" type is inserted, the image is selected via ages. e angle at which the text starts. 0 corresponds to the position (12 o'clock). nd text fields.
File	 Only for tex For images Path: the Embedde See also of an image fr For barcode (e.g. Code Only for imational of the section of the section	the way the image is inserted. mage is inserted as a reference to an image file d: the image is embedded in the project chapter " <u>Saving an image in a file</u> " and " <u>Transferring</u> om a file" es: the selected barcode type 39, Code 128, Code 2/5 Industrial) ages and barcodes. of the "path" type is inserted, the image is selected via ages. e angle at which the text starts. 0 corresponds to the position (12 o'clock).

Selecting elements



Click on this icon in the "Properties" window to specifically select elements.

This displays all layers and the elements in the layers in a tree structure.

Properties	×
🏦 🛃 🖬	
- # PROJECT	~
PROJECT	
A PROJECT	
	≡
PROJECT	
PROJECT	
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PROJECT	
A PROJECT	
A PROJECT	
PROJECT	
PROJECT	
PROJECT	
PROJECT	
- 😹 MARKER	
BARCODE	
A MARKER	
BARCODE	
A MARKER	
BARCODE	
A MARKER	~

Example:

The illustration shows Page 01 with the project layer and eight project areas. You can also see the marker layer with one marker area containing a barcode and a text field.

Clicking on the barcode, for example, activates it in the marker area in the workspace, ready for editing.

This selection method is useful for elements in layers.

Workspace

The workspace shows the start page by default when the application is started (Menu **View > Show Start Page**).

When you open a project/marker type, it is displayed in the workspace.

Shortcut menu in the workspace

Right-click inside the workspace. This shortcut menu appears:

	Insert <u>N</u> ew Page	
1	Insert Marker Type	
	C <u>h</u> ange Marker Type	
	Delete <u>t</u> his Page	
	Select Layer	Þ
	<u>V</u> iew	►
	Layer Properties	

Insert new page

A new page is added to the active marker type in the workspace.

Insert Marker Type

You can use this shortcut menu item to add a new marker. The product catalog is shown, and you can select a marker type to be inserted from it.

Change Marker Type

A selection from the product catalog enables you to change the displayed marker type. The content is transferred (if possible).

Delete this Page

Select the page you want to delete.

Select Layer

Switch to another layer (e.g. marker layer, project layer).

View

Here you can switch between different docking bar views (see section "View menu").

Layer Properties

This shortcut menu item enables you to set the layer properties (e.g. color, lock).

Layers

The pages of a marker type are organized into the following layers:

- Locked layer
- Free layer
- Marker layer
- Project layer
- Background layer

In principle, a page consists of either four or five layers. A MarkerCard page has all five layers. All other marker types (for example labels, credit-card formats etc.) have all the layers except the project layer.

Background layer

The purpose of the background layer is to provide visual support for the user. You can change the color of the background layer and add elements (text and images) to it. The entire area of this layer can be used. The background layer is always the bottom layer; it is not printed by default and is locked. It is a standard layer and cannot be removed.

Project layer

You can add text or images to the project layer, using the surface area defined for it in the layout. The project layer is always the second layer. It is printed by default and is not locked. It cannot be removed.

Marker layer

The marker layer is the third layer. This is where MarkerCard mats or labels are actually captioned. You can arrange any number of text fields, shapes (lines, rectangles, etc.), images and barcodes, using the areas defined in the layout. The marker layer is printed by default. It cannot be removed.

Free layer

The free layer covers the entire surface area of the page. You can arrange text and images anywhere on the layer. The free layer is always under the locked layer. Unlike the other layers, it can be duplicated, and any added free layers can be removed. They can also be moved among each other. In addition, all free layers can be combined into a single free layer. There must always be at least one free layer. It cannot be removed. Free layers may be printed.

Locked layer

You can arrange elements (rectangles, lines, ellipses, scales) on the locked layer, covering the content of the other layers so they cannot be seen or printed. This layer is always the top layer. It cannot be removed.

For example, you could use the locked layer to create a circle at the position of a bore hole or an LED to prevent printing in this area.

Layers window

Here you can see all layers of a marker type (see also chapter "Editing layers").

To show or hide, select **View > Layers** on the menu bar.

Layers	×
🖄 🗙 🔁 🗲 🛛	到
	Locked Layer Free Layer Marker Layer Project Layer Background Layer

The "Layers" window has the following toolbar:



You can **only** use the icon buttons on the free layers.



Click on this icon to add a new free layer.



Click on this icon to delete the selected free layer.



3,

Click on this icon to move the selected free layer up one layer.

Click on this icon to move the selected free layer down one layer.

Click on this icon to reduce all free layers to a single layer. You cannot undo this action.

Click on the layer you want to change, then click on the relevant icon.

Layer properties

You can change the settings of layers via the "Layer Properties" window.

To open the "Layer Properties" window, double-click on the name of a layer in the "Layers" window:

Layer Properties			
Layer <u>N</u> ame:		Marker Layer	
Colors: <u>F</u> rame Color:	Default	Y Fill Color:	Default 🖌
Options:	Printable	Locked	✓ Outline Frames
Set as <u>D</u> efaul	t		OK <u>C</u> ancel

Here you can change the name, border color and fill color of the selected layer.

You can also specify whether you want the layer to be visible or not, and whether you want to print it or not. Here you can also define whether the layer should be locked or be available for editing.

After changing the settings, confirm by clicking on OK.



If you click on the **Set as Default** button, you can save your settings and use them as the default settings the next time you open a new marker type.

Data Grid window

To show or hide, select **View > Layers** on the menu bar.

The data grid shows the content of text and barcode fields and allows the content to be managed (insertion, editing, copying/pasting).

	10					×
101			PROJECT	MARKER	TEXTBOX1	BARCODE1
20, 1,			PROJECT	MARKER	TEXTBOX1	123
-		 _				
30, 1,						
40, 1,						
6-						
50, 1, 1						
I -	VARKER MARKER					
60						
Ē	2 TEXIBOX1	-				
2		-				
Ξ						
οī						

Defining the width of the data grid

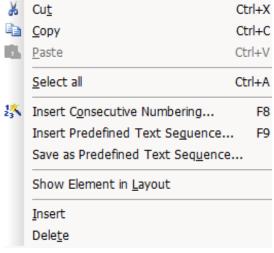
You have several options to define the width of the data grid:

	Sets the current width as the default for: - the current marker type - the whole program
Save project	When a project file is saved, the respective table widths of the open marker types are saved in it. When the project file is opened, these table widths are available again.

The selected column widths and row heights are also saved.

Shortcut menu of the data grid

The shortcut menu of the data grid allows you to call up different general program functionalities.



8

To show and select a field of the data grid in the workspace, right-click into the field and select **Show Element in Layout** in the shortcut menu.

Row height and column width of the data grid

The row height and column width can be fitted to the optimal width or height of the table content. To do this, select the rows or columns in question and double-click on the gap of the column or row header to set the optimum value.

	PROJECT	MARKER 🕞 TEXTBO>	1 TEXTBOX2
Ŷ			
쓰			

The selected column widths and row heights can also be saved (see "<u>Defining the width of the</u> <u>data grid</u>").

Info page

An info page is displayed in addition for a marker type.

If you do not want the info page to be shown, you can disable it in the options dialog (see section "<u>Environment</u>" in chapter "Options dialog").

4 Start Page	··	
Variantname:		
Description:	Device markers, Label reel, Self-adhesive, Halo x 15 mm, Material: Polyester, UL 94 flammability Colour: Grey	
Order No. Blank:	PN-369924	B
Order No. Custom Print:		
Order No. Pre-Printed:	Open PDF Document	Act
Path to Config:	•	
Information	Page 01/	

The following can be displayed, depending on the product:

Product layout

The dimensions of the marker type.

Path to configuration

Click on the button to open the path to the product file (*.mcf) for the marker type.

Sort order

Definition whether sorting is in N-order or W-order. The basic settings are defined via the product file.

ClearMark[™] settings

If a ClearMark[™] has been assigned (see "<u>Mapping a printer to a marker type</u>"), the heating settings and/or print quality for the printer are shown here. The values can also be set at this point for the product variant.

The print quality of the ClearMark Advanced can also be set in general via the options dialog (see "<u>ClearMark™ Advanced</u>").

Select Heating...

Click on this button to adjust the heating of the ClearMark[™] printer.

ClearMark™ Heating Edit	×		
Heating CMA:	Standard 🗸		
Heating ClearMark™;			
Premium;	Heating 1 \sim		
Standard:	Heating 1 \sim		
Heating Fasttrack;	Heating 100 $$ $$ $$		
Reset to Config Values			
OK Cancel			

To fine-adjust the heating of the ClearMark[™] Advanced, you can use the dropdown field "Heating CMA" to choose as follows:

	Much less heat
-	Less heat
Default	Default value
+	More heat
++	Much more heat

Also see chapter "Options dialog", section "<u>ClearMark™ Advanced</u>", section "General".

Getting Started

Introduction

This chapter is for users with a sound knowledge of Windows.

The following step-by-step explanation shows the main things you need to do to effortlessly add professional captions to marker types.

Step 1: Starting the program

• Double-click on the program icon on the desktop.



Call up the program via Start – Programs – Rockwell Automation – ClearTools™.

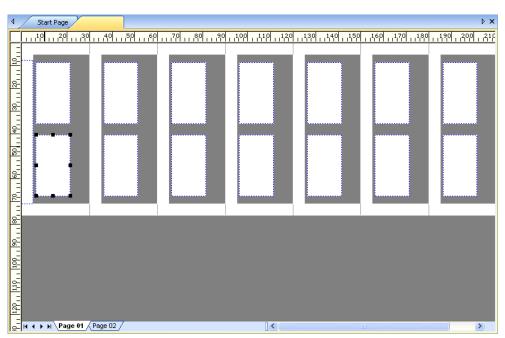
Step 2: Selecting the marker type

After starting the application, you will see the "Product Catalog" window:

Product Catalog			X
Category Marker Type Find To	ools		
	🌆 🎇 🚮 🚆		
		Variant:	
Catalog Favorites ClearMark, X-Y Plotter, ClearPl ClearMark, X-Y Plotter, ClearPl Device Marker Self-Adhesive Markers 1492-MA56X15 1492-MA59X11 1492-MA59X17		Variant List 1492-MAS6X15	
	kers		
Description:	Device markers, Self-adhesive, LxW: 15 x 6 mm, Halogen: No	Material: Polyamide 66, UL 94 fla	ammability rating: V-2,
Used With:	All Devices, 1492-FB Fuse Holder		
Order No. Blank:	1492-MAS6X15		0000
Order No. Custom and Pre-Printed:	Open PDF Document		0000
Open Last Project	Open Project	elect Product	Close Catalog

• In the left pane under "Catalog", click on the marker type you want to use. In the right pane, select the variant by clicking on it, then click on the **Select Product** button. The marker type is opened.

Step 3: Captioning the marker



Select the marker you want to caption by left-clicking on it.

• To move to the next marker, press the **Enter** key or click on the marker you want to move to.



If a text field shows a red triangle when text has been inserted, the text does not fit into the field. Not all of the text is displayed or printed. In this case you must shorten the text or let the program fit it automatically (see "Adjusting the font size" in chapter "Format menu").



If a text field shows an orange triangle when text has been inserted, singleline text is shown with an automatic word wrap as the text field is too narrow (also see "Adjust marker length" in chapter "Format menu").

Step 4: Saving the file

When you have entered all the text, you can save the file as follows:

- Select File > Save on the menu bar.
- In the next window, enter the file name and click on the **Save** button.

Step 5: Printing the marker type

- Select File > Save on the menu bar.
- Select a printer from the printer list and click on **Map**.
- In the next window, select the printer type (printer/plotter).
- In the dialog that follows, you can define whether you want to map the output device to all variants of the product. Select "No" to assign just the selected variant.
- Select a marker type from the list and click on the **Print** button (see also chapter "Printing").

Print Project (
Printer					
Generic / Text (Only				 <u>Settings</u>
Map printer for 1	1492-MW14X23				<u>M</u> ap
Copies			Duplicate Marker	rs	Calibration
Num <u>b</u> er of Copie	25:	1	Number of <u>D</u> upli	cates: 1 🚔 ▼ C <u>o</u> llate]
Jobs					
🧿 <u>A</u> ll Marker Ty	pes				
Marker Type:	:		1492-MW14X23	- of	ffset: 1 🔺
	:		1492-MW14X23	▼ 0!	ffset: 1 📩
🔘 Single Pages			1492-MW14X23	▼ 0į	ffset: 1 📩
			1492-MW14X23	• 0	ffset: 1 📩
🔘 Single Pages			1492-MW14X23	▼ 01	ffset: 1 -
🔘 Single Pages		Pages	1492-MW14X23 Copies	• Of Printer	
Single Pages	kers	Pages 1			Heating Quality
Single Pages Selected Mar	kers Marker Ty	-	Copies	Printer	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty	-	Copies	Printer	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty 1492-MW	1	Copies 1	Printer	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty	1	Copies 1	Printer	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty 1492-MW	1	Copies 1	Printer	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty 1492-MW	1	Copies 1	Printer	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty 1492-MW	1	Copies 1	Printer Generic / Text On	Heating Quality
Single Pages Selected Mar Type 1492-M	kers Marker Ty 1492-MW	1	Copies 1	Printer	Heating Quality

If no printer has been mapped to any or all of the marker types to be printed, pressing the **Print** button sends the data to the default printer.



If printing is not positioned properly, you must calibrate the printer (see chapter "<u>Adjusting the printer to the marker type</u>").

Step 6: Closing the file

• Select File > Close on the menu bar.

Managing Projects

Project structure

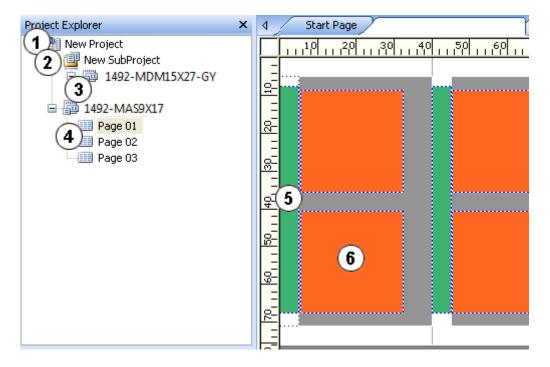
A project (1) can be made up of a number of subprojects (2).

These subprojects can contain any number of MarkerCards or labels. A marker type can consist of several pages (4) and can include a range of elements, such as text, barcodes, images and shapes like lines, rectangles, etc. All images and barcodes are stored in dedicated folders.

Depending on its type, a MarkerCard consists of a defined number of marker areas (6) and project areas (5), arranged in horizontal and vertical fields.

The marker areas are the areas actually containing the captioning information. They are on the marker layer.

The project areas are used to assign the marker to a particular project. They are on the project layer.



A project can have several marker types (3).

The currently open file or the most recently opened file appears at the top of the list under the **Open** option on the start page.



Changing the project name

When you open a new marker type, a new project category is created automatically, with the default name "New Project".

If the Project Explorer is not shown, see chapter "View menu".

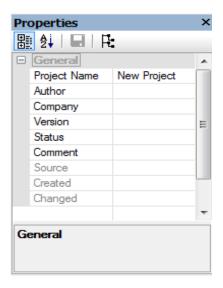
Project Explorer	×
🖃 📲 New Project	
🗄 - 🚟 1492-MAS9X17	
III Page 01	

Follow these steps if you want to use a different name:

- Click on the "New project" category.
- 1

Click on this toolbar icon. If the "Properties" toolbar is not shown, see chapter "<u>View menu</u>".

The "Properties" window appears.



• Click inside the "New project" field and overwrite the entry with the project name you want to use.

Adding a marker type to a project

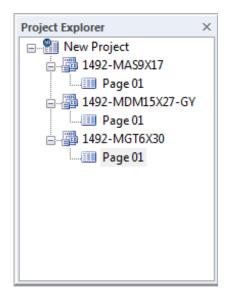
You can assign several marker types to a project.

• Right-click inside the Project Explorer (see chapter "Project-Explorer").

The following shortcut menu appears:

E)	<u></u>
1	Paste
	<u>N</u> ew Project
P	Insert New M <u>a</u> rker Type
	Insert New Subproject
	Print
	Delete <u>t</u> his Page
	Delete <u>P</u> ages
	Delete <u>M</u> arker Type
	Delete <u>S</u> ubproject
	C <u>h</u> ange Marker Type
	Add to Order
	View
	Close <u>F</u> ile

• Select **Insert New Marker Type** on the shortcut menu. Follow the steps shown in the dialog, and the marker type is inserted in the Project Explorer.



Adding a subproject

To make it easier for you to manage the marker types in a project, you can organize them in subprojects.

Follow these steps to add a subproject:

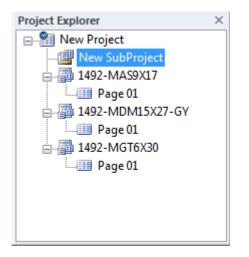
• Click on the main project at the top of the hierarchy, then press the right mouse button.

The following shortcut menu appears:

En l	<u>С</u> ору
6	<u>P</u> aste
	<u>N</u> ew Project
麚	Insert New M <u>a</u> rker Type
	Insert New S <u>u</u> bproject
	Pr <u>i</u> nt
	Delete <u>t</u> his Page
	Delete <u>P</u> ages
	Delete <u>M</u> arker Type
	Delete <u>S</u> ubproject
	C <u>h</u> ange Marker Type
	A <u>d</u> d to Order
	View
	Close <u>F</u> ile

• Select Insert New Subproject on the shortcut menu.

The subproject is placed in the hierarchy below the main project.



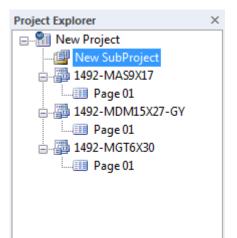
Adding a marker type to the subproject

• Click the subproject and add a new marker type via the shortcut menu (see also section "Adding a marker type to a project").

Follow these steps if you want to add an existing marker type to the subproject:

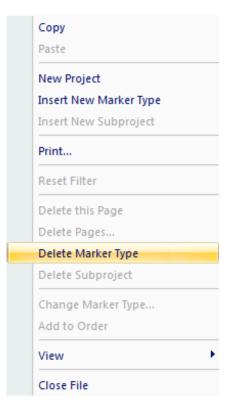
- Left-click on the marker type you want to move and hold down the mouse button.
- Keeping the mouse button pressed, drag the marker type to the subproject.

The marker type now appears in the hierarchy under the subproject.



Removing a marker type

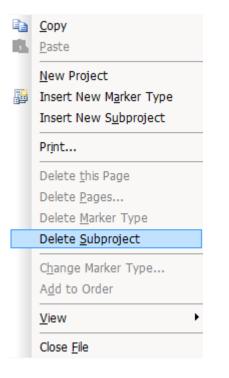
• Click on the marker type you want to remove, then press the right mouse button.



• Select **Delete Marker Type** on the shortcut menu.

Removing a subproject

• Click on the subproject you want to remove, then press the right mouse button.



• Select "Delete Subproject" on the shortcut menu.

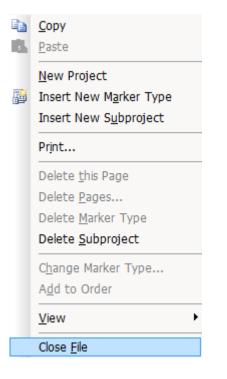


The subproject is removed along with all its associated marker types.

Closing the project

н

• Right-click inside the Project Explorer.



- Select "Close File" on the shortcut menu.
 - If the file has not been saved, a message box appears asking whether you want to save the file or not.

Product Catalog

Introduction

The product catalog contains all the products, with variants, that are available for you to use in the application.

The "Product Catalog" window opens automatically when you start the program: There you can:

- Select a marker type,
- Open the most recently edited project,
- Open a particular project.

The "Product Catalog" window can also be used to organize products. For example, you can keep products in a special product category if you use them regularly. To do this, you create a new category, then add the relevant products to it.

This chapter describes how you can work with the catalog, how to find a product and how to remove products and categories.

Opening the Product Catalog window

• Open the product catalog by clicking on **Tools > Product Catalog.**

Category Marker Type Find T	ools			
*3 == e 🔹 👫 🖬 🖿 🕯	i 🖉 🎉 🚮 🖳 🗐 🎬			
			Variant:	
Catalog		~	Variant List	*
- Tavorites		E	1492-MAS6X15	
ClearMark, X-Y Plotter, Clear	Plot Basic			
Device Marker				
E B Self-Adhesive Marker	s			
1492-MAS9X11				
1492-MAS9X17				
👜 🛅 Snap-In Individual Ma	arkers			
Wire and Cable Marker Group Marker		-		
Description:	Device markers, Self-adhesive, LxW: 15 Halogen: No	x 6 mm, M	aterial: Polyamide 66, UL 94 fli	ammability rating: V-2,
Used With:	All Devices, 1492-FB Fuse Holder			
Obed With.	All Devices, 1924 bit de Holder			
Order No. Blank:	1492-MAS6X15			
Uruer No. biank;	19279A00X10			
	Open PDF Document			i nonno i
Order No. Custom and Dro Drintedu				
Order No. Custom and Pre-Printed:			·	
Order No. Custom and Pre-Printed:			lect Product	Close Catalog

If the relevant information has been defined, the bottom left part of the window contains a description of the selected variant and the material number. The bottom right part of the window shows a photograph of the selected variant.

E

You can double-click on the photograph to open a new window with a magnified view of the product.

The product photograph may differ from the original.

If you click on **the link**, a product data sheet appears via the Internet. The link only appears if there is a data sheet for the product.

This window contains the following buttons:

Open Last Project Click on this button to open the last project you worked on. This button is only available after the program start.

<u>Open Project...</u> Click on this button to open a given project (see chapter "<u>Project</u> structure"). This button is only available after the program start.

Select Product This button enables you to select a particular product.

Close Catalog Closing the product catalog.

Creating a new product category

You can create your own personal product category where you can store all the markers you use regularly. Follow these steps:

- Open the product catalog (**Tools > Product Catalog**).
- To add a new category, click on the top level ("Catalog").

To add a subcategory, click on the corresponding category. The subcategory will be added under it.

• Select Category > New.

A new category is created.

Catalog
🗄 🛅 Printer
🗄 🛅 CLEARMULTIPRINT
New Category

• Enter a name for the new category.

Now you can add the required products to the category (see section "Adding a product").

Adding a product

- Open the product catalog by clicking on **Tools > Product Catalog**.
- Click on the category to which you want to add a product.
- Select Marker type > Add.

The following window appears:

Open			? 🛛
Look jn:	🗀 configs	🔽 🥝 🦻 🖻 🛛	
My Recent Documents	Iab_1492_mdm6x17.mcf Iab_1492_mdm8x20.mcf Iab_1492_mdm9x17.mcf	lab_1492_mhs10x25.mcf lab_1492_mhs13x25.mcf lab_1492_mhs19x25.mcf	lab_1492_mit lab_1492_mit lab_1492_mit lab_1492_mit
Desktop	Iab_1492_mdm15x27.mcf Iab_1492_mdm15x45.mcf Iab_1492_mdm15x60.mcf	Iab_1492_mhs25x25.mcf Iab_1492_mhs38x25.mcf Iab_1492_mtwo12x18.mcf	lab_1492_mi _n lab_1492_min lab_1492_mi ⁿ
My Documents	 lab_1492_mdm30x60.mcf lab_1492_mdm85x54.mcf lab_1492_mgt6x30.mcf lab_1492_mgt6x30.mcf lab_1492_mhs2x25.mcf 	 lab_1492_mtwo15x71.mcf lab_1492_mtwo25x62.mcf lab_1492_mtwo25x76.mcf lab_1492_mtwo25x95.mcf 	lab_1492_m ⁰ lab_1492_m ₀ mc_1492_gr ₀ mc_1492_m ⁰
My Computer	lab_1492_mhs3x25.mcf lab_1492_mhs3x25.mcf lab_1492_mhs5x25.mcf lab_1492_mhs6x25.mcf	 Iab_1492_mtwo22x33.mcf Iab_1492_mtwo25x140.mcf Iab_1492_mtwo34x93.mcf Iab_1492_mtwo51x36.mcf 	mc_1492_m ⁿ mc_1492_m ⁿ mc_1492_m ⁿ mc_1492_m
My Network	File name: lab_1492_mhs Files of type: ClearTools ^{mage}	6x25.mcf 💙 Configuration File 💙	 Cancel

The window shows all products that are available in the application and that have been saved in a dedicated folder.

- Select the product you want to add and click on the **Open** button. The selected product is added to the category.
- Exit the product catalog by clicking on the **Close Catalog** button.



The catalog is saved automatically.

Removing a product

- Select the product you want to remove by clicking on it.
- On the menu bar of the "Product Catalog" window, click on **Marker Type > Remove**.
- The product is removed from the catalog after a confirmation prompt.



The product has ONLY been removed from the catalog. It is not deleted from the application folder and can be re-added at any time.

Removing all products from a category

- Click on the category from which you want to remove all products.
- Select Category > Empty.
- The category is cleared after a confirmation prompt.

The products are removed from this category ONLY. They are not deleted from the application folder and can be re-added at any time.

Removing a product category

- Click on the category and select **Category > Remove**.
- The category is removed after a confirmation prompt.

Finding a product

You can use the product search function if you want to select a new marker type without knowing the exact name or material number.

The search function cannot be used to add a product to the catalog (see "Adding a product").

- Open the product catalog by clicking on **Tools > Product Catalog**.
- Select Find.

The "Find Variant" window appears:

🚇 Find Variant				×
Variant:				
Results:				
Variant	\triangle	Order No. Bl	Description	
•				•
			ок с	Cancel

• Enter the product name in the "Variant" field. After entering at least two characters, all products with the searched characters are shown in the results list.

14		
esults:		
Variant	 Order No. Bl	Description
1492-GM5X30	1492-GM5X30	
1492-M3X12	1492-M3X12	Used with the 1492-L termin
1492-M3X5	1492-M3X5	Used with the 1492-L termin
1492-M5X10	1492-M5X10	Used with the 1492-J and 14
1492-M5X12	1492-M5X12	Used with the 1492-J and 14
1492-M5X15	1492-M5X15	Used with the 1492-J and 14
1492-M5X30	1492-M5X30	Used with the 1492-J and 14
1492-M5X5	1492-M5X5	Used with the 1492-J and 14
4		

• Click on the product you are looking for to select it, then confirm your choice with **OK**.

Renaming a product

To give the products in the catalog another name (e.g. a company-internal name), you can rename the title and/or the variant name of a product.

The changed variant names are, for example, displayed:

- In the properties (see chapter "Marker properties", section "General",).
- In the print dialog (see chapter "Calling up the print dialog").

Follow these steps to rename a variant:

- Open the product catalog by clicking on **Tools > Product Catalog**.
- Select the marker type.
- Highlight the title or the variant name and press the "F2" key.
- Specify a new name and accept the entry with the Return key.
- The name is changed after a confirmation prompt.

Resetting the product catalog

If you have accidentally deleted configurations from the product catalog or imported a new catalog file (*.mca), you can reset the product catalog. All the directories – except the "Favorites" folder – are then reset to the delivery state. The content of the "Favorites" folder is preserved.

- Open the product catalog by clicking on **Tools > Product Catalog**.
- Select Extras > Reset Catalog.
- Acknowledge the confirmation prompt.

Updating the product catalog

You can update the product catalog via new or revised configuration files. Follow these steps:

- Open the product catalog by clicking on **Tools > Product Catalog...**
- Select Tools > Add/Update Products...

The configuration search window appears:

A	dd/Up	odate Products			×
	Sourc	e			
	Search Folder:			ogramData\update_configs	1 🔯
				Find Now 2	_
	Sear	ching			
		ent Search Folder:			
	Files	Found:	240	3	
	Files	to Update:	214	4	
	1 lica	to opuate.	217	•	
	Find	Result (new and updat	ted products)		
		products (selected: 3)	6		🗈 🗈 🗈 🚵
		Marker Ture	-	F 1	Path A
		Marker Type	Version	File name	
		1492-SM6X10	20121025	mc_1492-sm6x10.mcf	C:\ProgramData\V
		1492-SM5X10	20121025	mc_1492-sm5x10.mcf	C:\ProgramData\V
	V	1492-MWC4-21	20121025	mc_1492-mwc4-21.mcf	C:\ProgramData\V
ŧ	V	1492-MWC4-12	20121025	mc_1492-mwc4-12.mcf	C:\ProgramData\V
	V	1492-MWC3-21	20121025	mc_1492-mwc3-21.mcf	C:\ProgramData\V
		1492-MWC3-12	20121025	mc_1492-mwc3-12.mcf	C:\ProgramData\V
		1492-MWC1-21	20121025	mc_1492-mwc1-21.mcf	C:\ProgramData\W
		1492-MWC1-12	20121025	mc_1492-mwc1-12.mcf	C:\ProgramData\W
		1492-MW9X24	20121025	mc_1492-mw9x24.mcf	C:\ProgramData\V 👻
	•				4
		7	Apply	Close	

Follow these steps:

1 Search folder

Select the folder that you want to search for new configuration files.

2 Find Now

To search for new configuration files, click on "Find Now" in the selected directory.

3 Files found

The number of files found during the search run.

4 Files to update

The number of new or more recent files.

5 Select products

Select the required configurations.

6 Number of files selected

The number of files selected is displayed.

7 Apply

Click on "Apply" to copy the configuration files to your product catalog.

Options Dialog

Introduction

This chapter explains the basic settings that can be set via the options dialog.

• To open the options dialog, select **Tools > Options...**.

Options		×
 Environment Element Defaults Plotter ClearMark™ Advanced ClearMark™ ClearMultiprint™ 	General History list of last files: Dimension Unit: Default Filename: Show Welcome Page of the Import Wizard Finable Autosave: Use Project Mode as default Display all hidden messages Close the project, when the last Marker T Enable overflow detection (Import, Print) Enable overflow detection (Import, Print) Enable cancelling print job (Command Line) Hable Info Page Use extended E-Plan Assistant Show Import Wizard (Command Line) Import Project Text into Marker Automatically embed new images	10 min. Type closed
۰ III ۲	Separator page when printing on shrink to	ibe type hss

Environment

The environmental settings define the view and the general basic settings.

General

General				
History list of last files:	16	•		
Dimension Unit:	mm	•		
Default Filename:				
Show Welcome Page of the Import Wizard				
Enable Autosave:	10	min.		
Use Project Mode as default				
Display all hidden messages				
Close the project, when the last Marker Type closed				
Enable overflow detection (Import, Print)				
Enable cancelling print job (Command Line)				
📝 Enable Info Page				
Use extended E-Plan Assistant				
Show Import Wizard (Command Line)				
Import Project Text into Marker				
Automatically embed new images				
Separator page when printing on shrink tube t	ype HSS			

History list of last files

The list of the most recently opened project files is displayed in the **File** menu and on the start page.

Dimension unit

The unit of measure used in the entire program (inch, mm, cm, µm) is assigned here.

Default file name

The default file name that is suggested in the "Save" and "Save As" functions.

Show welcome page of the Import Wizard

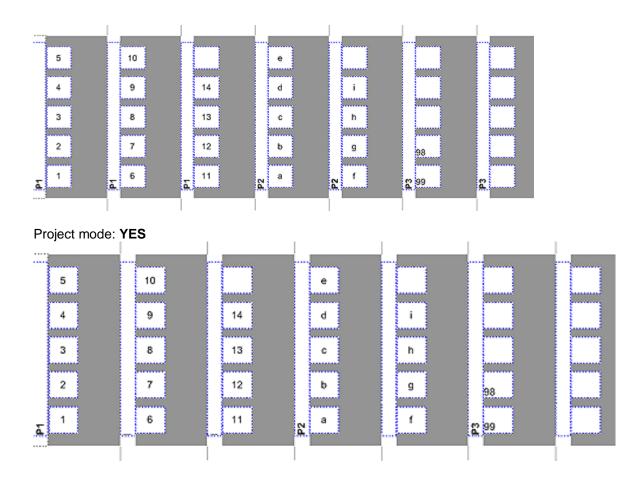
Enable autosave

The file is saved automatically at the selected interval.

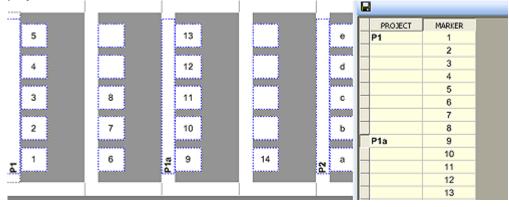
Use project mode as default

Project mode can only be used for marker types with a project layer. If there are identically captioned project markers in project mode, only the first of them are captioned.

Project mode: NO



If you were to insert (e.g. via the data grid) a different project marker caption (e.g. "P1a"), a new project marker would be created from this marker on.



Display all hidden messages

Some dialogs can be hidden using a "Do not ask again" or "Do not show this dialog again" check box.

• Check here and click **Accept** if you want ALL dialogs to be displayed again.

Close project when the last marker type is closed

If the box is checked, the project is closed once the last tab (see "<u>User interface</u>") is closed.

Otherwise, you can reopen the tabs via the project tree.

Enable overflow detection (import, print)

If the box is checked, the program automatically checks whether all characters of a field are shown after an import or before printing.

If not, the fields are shown as follows (see also "Adjusting the font size"):



Enable canceling print job (Command Line)

If the box is checked, the print job can be canceled – when printing a file via the command line (see "<u>Command line call</u>") – via a dialog.

Enable info page

Besides the page numbers, an info page on the layout of the marker type is shown.

Use extended E-Plan Assistant

If the box is checked, the Import Wizard also shows the page with the delimiters when importing WEx files.

The delimiters are set as a default in the WEx files and should not be modified.

Show Import Wizard (Command Line)

Files can either be imported or be opened via the command line (see chapter "Command line call").

If you select this check box, the Import Wizard appears on opening via the command line; otherwise the import is controlled via the default settings or via a script file (see chapter "Importing files").

Import Project Text into Marker

If the box is checked, texts that are inserted in the project layer are inserted in the marker areas instead.

Automatically embed new images

When inserting a new image element, the image is automatically embedded and not linked via a path.

When program files are passed on, all source images are available automatically. To remove an save embedded images from a file later, see chapter "<u>Transferring an image from a file</u>".

Separator page when printing on shrink tube type 1492-MHS

Automatically inserts a (blank) separator page when there are multiple print jobs for shrink tubes of type 1492-MHS.

View

-Grid Options				
Grid Size:		2	mm	
Grid Offset X:		0	mm	
Grid Offset Y:		0	mm	
Grid Color:				
Project / Layer				
Show the fi	rst Project Marker o	f a project only	1	
Show Data Grid on start				
Automatic selection of the layer at which an item was clicked on				
Show Overflow and Word Wrap				
Enable changes to printer settings				
Never	Always	This see	ession only	

Grid settings

The settings for the grid (see chapter "View menu").

Show the first project marker of a project only

If the project marker content is the same, only the first project marker is shown:

Show data grid on start

The data grid is always shown when the program is started.

Automatic selection of the layer at which an item was clicked on

If the box is checked, you can automatically switch between the project and the marker layer with a mouse click.

Otherwise it is necessary to switch via the "Standard" toolbar (see chapter "Toolbars").

Show overflow and word wrap

Fields whose content cannot be shown completely or include an automatic word wrap are indicated as follows (see chapter "<u>Step 3: Captioning the marker</u>"):



Enable changes to printer settings

Defines whether the **Settings...** button can be chosen in the print dialog (see chapter "Printing", section "<u>Calling up the print dialog</u>").

Startup Options

Here you control the behavior at program startup.

Startup Options
⊙ Open <u>C</u> atalog
Open last project
Show Eile Open dialog
◯ <u>N</u> o dialog

Extensions

Here you can link different file extensions to a script file.

When the program opens the file (e.g. via the command line), the script file is automatically run.

Extensions:			
Extension	Script File		
.TXX			
.TXY			
.XLS			
.XLSX			
	- 11		
Add	Edit	Assign file	Delete

Associating files

Files can be opened automatically by the program if they are double-clicked. For this, it is necessary to add the file extension (for example ".xls") to the list and to click on the **Assign file** button.

All file extensions in the list are now registered with the program.

Directories

File O <u>p</u> en:	C:\ProgramData\Rockwell Automation\ClearT 🔯
File <u>S</u> ave:	C:\ProgramData\Rockwell Automation\ClearT 🔯
Import:	C:\ProgramData\Rockwell Automation\ClearT 🔯
C <u>a</u> talog:	C:\ProgramData\Rockwell Automation\ClearT 🔯
Symbols:	C:\ProgramData\Rockwell Automation\ClearT 🔯
I <u>m</u> ages:	C:\ProgramData\Rockwell Automation\ClearT 🔯
Scripts:	C:\ProgramData\Rockwell Automation\ClearT 🔯
Program Settings	
Export	Import

Directories

The displayed areas are preset and browsed through in the saved directories.

Program settings

Modified program settings can be saved (exported) and/or loaded (imported). Company-internal settings can, for example, be adjusted once and be loaded on other computers.

Program settings that can be stored are, for example:

- Grid offset for duplication (see "View")
- <u>Consecutive numbering</u> (last dialog values)
- Extensions
- Import Wizard (last dialog values)
- Mapped printers for marker types (see "Mapping a printer to a marker type")
- Adjusted default values for marker types
- Adjusted printer settings (e.g. printer correction, material slip, marker type settings)

Administration

Share print settings		
Click on 'Share Print Settings' to share your current print settings with other users of this computer:		
- Set Printer Correction - Set Material-dependent Slip - Printer/Plotter Calibration 		
However, the users can decide whe	ther they want to accept them or not.	
Share Print Settings		
Share	Print Settings	
<u>Share</u>	Print Settings	
Protect print settings	Print Settings	
	Print Settings	
Protect print settings	Print Settings	
Protect print settings	Print Settings	
Protect print settings	Print Settings	
Protect print settings	Print Settings	

Share print settings See descriptive text in the dialog.

Protect print settings

You can store a password to protect the adjusted printer settings against modifications. This password is requested before any modification of the printer values.

After installation, there is NO password.

Menu Administration

Individual menu items can be hidden.

Menu Items	State	
File->New	Enabled	
File->Open	Enabled	
File->Save	Disabled	
File->Save As	Enabled	
File->Embed Images and Save As	Enabled	
File->Close	Enabled	
File->Import	Enabled	
File->Batch Import	Enabled	
File->Print	Enabled	
File->Toggle Plot Mode	Enabled	
File->Adjust Marker Type	Enabled	-

* It is recommended to restart the program to apply the changes.



Set all enabled

All the menu items are displayed and can be opened.

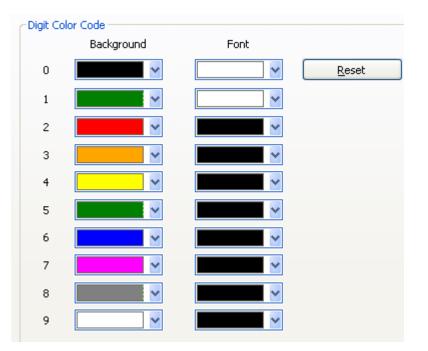
🛐 Set all disabled

Not all the menu items are displayed and not all the menu items can be opened.

State

Enabled:	The menu item is displayed.
Disabled:	The menu item is not displayed.
Protected:	The menu item is displayed, but only opens after entering a password.

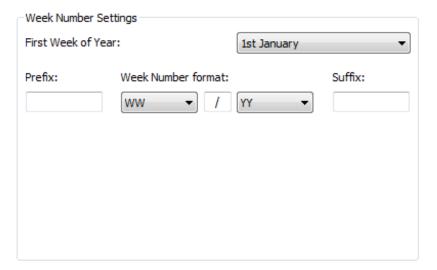
Color coding options



Defining color codings for the numbers 0 to 9 (see also "Color coding").

Fields

Defining various field settings, e.g. calendar week.



Offsets

Defining various basic settings.

Duplicate Offset X:	2 mm
Offset Y:	2 mm
Auto Increment/Decrement Values	
Increment Value:	1
Decrement Value:	1

Duplicate

The offset dimensions of the duplicated object (see chapter "Edit menu").

Increment value / Decrement value

Sets the default values for incrementing or decrementing (see chapter "<u>Incrementing</u> and decrementing").

Element defaults

Certain properties for creating elements (e.g. text field, rectangle, image, barcode) can be defined via the element defaults. These settings are saved locally on the PC.

Font

Font*			
Font:	(Default) 🔻		
Size:	(Default) 👻		
Font Color:	(Default)		
Bold:	(Default)		
Italic:	(Default)		
Underline:	(Default)		
Strikethrough:	(Default)		
Preview			
AaBbCcDd1234			
Use Config Font			
$\ensuremath{^{\ast}}$ It is recommended to restart the program to apply the changes.			

Font:

Here you select a font to be used as the preferred font when new marker types are inserted in a project. This means that the fonts stored in the configuration files are not used.

This setting is only applied when the program has been restarted.

Use config font

Resets the font that was selected via "Font".

Afterward the respective fonts of the added marker types are used. This setting is only applied when the program has been restarted.

Elements

For the various elements (e.g. text field, rectangle, image, barcode) there are varying properties whose default properties can be changed.

These are usually properties such as the line thickness or line and fill properties.

Pn	operty	Value	
	Border and Fill		*
	Thickness	0,001	1
	Line Color	000000	
	Line Type	None	
	Fill Color	FFFFFF	
	Fill Pattern	None	
	Behaviour		
	Orientation	0	
	Line height	100	
	Content		
	Color Coding	No	
_			Ť
			_
		Decet	

Once accepted, changes to the default properties are valid for any new elements. A reboot is not necessary.

Reset

Resets the default property of the selected element to the delivery state.

8

The default properties of the elements as delivered are read from the product files of the product catalog. These product values may differ from those shown in this dialog.

Only when the values have been changed and saved via this options dialog do they take precedence in the presentation of the elements.

Plotter

Settings for connected plotters.

General

General settings for plot mode and the plotter speed.

In the list shown, the connected printers are mapped to the type the printer is handled as:

- As a printer
 As a plotter
 Ask user

General				
📃 <u>S</u> tart in	Plot Mode			
	ys			
◯ If <u>l</u> as	st mode was Plot Mode			
Plotter Speed:			default	*
		1		
Device		Mapping	Mode	
Acrobat D	Distiller	As Printer	r	~
) istiller 'Text Only	As Printer Ask User	•	^
	Text Only		•	<u>^</u>
Generic /	Text Only	Ask User	•	
Generic /	Text Only	Ask User	•	
Generic /	Text Only	Ask User	•	× •

Ask user

Proceed as follows if you want to change a mapping (as printer/as plotter) selected in the print dialog:

• Change the mapping for the printer directly here.

or

- Change the mapping for the printer to "Ask user".
- Open a marker type that you want to print.
- Select File > Print....
- Select **Assign** in the print dialog.

A dialog opens for mapping.

Map Printer	x
🔘 As Printer	ОК
As X-Y Plotter (149 ▼	Cancel

MarkerCard fixture

Plotter settings for MarkerCards.

Preview			
Plotter:		•	Info: Please change the x and y
Pen: X:	No Pen 1350 🚔 Y:	▼ 11690 🚖	value until the zero point of the frame is reached.
P	lot Zero Point		

PLOTPLTA/PLOTPLTB Fixture

Preview
Plotter:
Pen: No Pen Pen: No Pen
X: 1370 🚔 Y: 11695 🚔
Plot Zero Point

Plotter settings for SlimFix fixtures to hold sizes 4 to 6.

Pen priming

Priming options for the plotter pen.

Set Prime Pos On't Prim						
🔘 Plotter De	fault Pos	ition				
🔘 Individual	Position	(MarkerCards	only) /	Plotter De	fault Position	for Labels
Line 1	X1:	16	mm	Y1:	73	mm
	X2:	26	mm	Y2:	73	mm
Line 2	X1: [16	mm	Y1:	74	mm
	X2:	26	mm	Y2:	74	mm
Line 3	X1: [16	mm	Y1:	75	mm
	X2:	26	mm	Y2:	75	mm

ClearMark[™] Advanced

General

Setting the print options for the ClearMark[™] Advanced.

Select Printer:		*
Print Quality		
All necessary settings for will be configured automat	-	
Select Print Quality		
Heating Adjustable (In:	fo Page)	

Show status monitor on output to printer

Select Print Quality

To adjust the print quality of the ClearMark[™] Advanced, click in the options dialog on the "Select Print Quality…" button and select the required quality.

Select Print Quality
Use recommendation
Premium
© Standard
Reset individual settings
OK Cancel

General information:

The print quality of the ClearMark[™] Advanced can be defined in the following ways:

- Via the product file (see "<u>Adding a product</u>") The basic settings are defined via the supplied product file (*.mcf).
- Via the settings in the options dialog (see "<u>ClearMark™ Advanced</u>") These settings apply in general to all products and override the settings from the product files.
- 3. Via the settings on the info page for the product (see chapter "User interface", section "<u>Info</u> <u>page</u>").

These settings apply to a product variant and override the settings both from the product file and from the options dialog.

4. Via the adjustable heating. For this, set the check mark for "Heating adjustable (Info Page)" and apply the settings from the options dialog. Open a product and assign it to a ClearMark[™] Advanced printer (see chapter "Printing", section "<u>Mapping a printer to a marker type</u>"). Go to the info page (see chapter "User interface", section "<u>Info page</u>").

Administration

Administration of ClearMa	rk™ Advanced.	
Select Printer:		
Remote Access		
Open Rem	ote Desktop Connection	
Support File		
Create Support File		
Update Printer Software		
Start Printer Update		

Remote access

Select a connected ClearMark[™] Advanced printer and click on Open Remote Desktop Connection... to connect to the printer's computer.

Support file

The support file contains information about the installed version of the program. It helps the Support team in the event of problems.

Select a connected ClearMark[™] Advanced printer and click on "Create Support File..." to create a support file.

Updating the printer software

To update the printer software, click on the "Start Printer Update" button.

Printer groups

Available printers can be combined as a printer group. The following printers are supported: ClearMark™ Advanced

These printer types can be assigned to a material in the print dialog. See chapter "<u>Mapping a</u> <u>printer to a marker type</u>".

Each time a print job is prepared, the individual printed pages are - depending on the selected option - distributed to the available printers of the printer group.

Printer Groups:			
Networkgroup			
USB Group			
		Available Printers:	
Assigned: 🔀 🔹 🛃	1		
CM Network 01		CM Advanced (USB1)	
CM Network 02		CM Advanced (USB2)	
		CM Advanced (USB3) CM Network 01	
	<<	CM Network 02	
		CMINELWORK 02	
◎ ₩12 ₩34 ₩56			
◎ ₩14 ₩25 ₩36			

Printer group print options

Serial print:

The number of printed pages according to material is divided by the number of printers and assigned to them. (1-2; 3-4; 5-6)

Parallel print:

The printed pages of a material are sent individually to the respective subsequent printer of the printer group: (1; 2; 3) (4; 5; 6)

ClearMark™

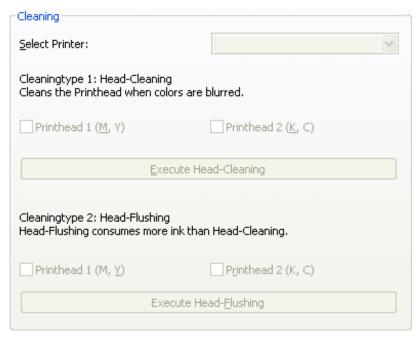
General

Setting the print options for the ClearMark[™] (see also ClearMark[™] manual).

General		
Select Printer:	No Printer 👻	
Properties Printerdriver All necessary settings for the printer driver of Rockwell Automation ClearMark™ will be configured automatically.		
Execute Printerdriver configuration		
All Printerdriver settings will be set to default.		
Reset Printerdriver configuration		

Cleaning

Launching the cleaning process for the ClearMark™.



Note that head-flushing consumes more ink than printhead cleaning.

Current configuration

Display of the current printer configuration.

Current Configuration	No Printer	Ŧ
Print mode:	Color print	
Slot with black ink:	Slot K	
Print quality:	Quality Print	

ClearMultiprint[™] Marking System

Administration

Administration of ClearMultiprint[™] Marking System printers.

Update Printer Software	
Select Printer:	170111856727 💌
Update File:	
Start Printer Update	

Show status monitor on output to printer

Material Forward Feed for Terminal Markers

Updating the printer software

To update the printer software, (e.g. firmware),

- select a printer,
- select an update file and
- click on the Start Printer Update button.

Opening Other File Types

Opening other file types

This chapter explains how to open a file that was not created using the program.

• Select File > Open.

The "Open" window appears, listing all existing files:

Open		? 🗙
Look in:	: 🔁 🔹 🕑 🛄 -	
My Recent Documents		
Desktop		
My Documents		
My Computer		>
	File name:	<u>Open</u>
My Network	Files of type: Files (*.abp;*.gdc;*.mld;*.mpc;*.m ▼	Cancel

Select one of the following file types:

*.abp	ClearTools™ document
*.gdc	ClearTools™ document
*.mld	ClearTools™ document
*.mpc	ClearTools™ Content File
*.mpo	ClearTools™ Order File
*.rde	Raildesigner export file
*.tmf	ClearTools™ document
*.wmex	Rockwell Automation export file
*.txx	
*.txy	
*.xls; *.xlsx	Microsoft® Excel® Worksheet
*.xmt	A multiple selection of files is possible.
*.txt	A multiple selection of files is possible.

All the available files of the selected file type are listed.

٠ Select the file you want to open, then click on the **Open** button.

If the marker type could not be found in the catalog, a message box appears:

The requested Marker Type is not available. Please assign a product from the catalog.

Select the marker type and confirm by clicking on **OK**.

The data is added to the markers.

If a non-supported file type is used for a multiple selection, only the first file of the selection is opened.

Excel files

H

A

An additional dialog appears when Excel files are opened.

elect	×
Please select the Worksheet and the Marker Type.	ОК
Selected Worksheet:	Cancel
Tabelle 1 🗸 🗸	
Selected Marker Type:	Select
☑ Ignore Cell Formats	

Here, you can choose the worksheet to be opened as well as the marker type and define whether to apply the cell formats (if supported).

The data in the Excel file is only displayed from the second row on. Another way to display data from an Excel file consists in an import (see chapter "Importing an Excel file").

Command Line Call

Introduction

The program can also be started via the command line (command prompt).

You can see the call parameters by entering the path to the program file, followed by the call parameter "/?".

Call parameters for exe

Opening or printing a file

ClearTools.exe [-p] "file (*.gdc|*.mld|*.mpc|*.mpo|*.rde|*.tmf|*.txx|*.txy|*.bis)"



When the print parameter "-p" is used, the print job can be canceled via a dialog after opening the program. If you do not want to display the dialog, see the option "Display all hidden messages" in the options dialog (see chapter "Options dialog").

Importing or printing a file

ClearTools.exe "file_name" [-p] [-ImportFilter:"script_file_name (*.mis)"] [-MatNo:material_number] [-Fallback:material_number]

ClearTools.exe "file_name" [-p] [-ImportFilter:CSV | WTXT | WE | VK | XML] [-MatNo:material_number] [-Fallback:material_number]



When the print parameter "-p" is used, the print job can be canceled via a dialog after opening the program. If you do not want to display the dialog, see the option "Display all hidden messages" in the options dialog (see chapter "Options dialog").

Importing Files

Introduction

This chapter explains how you can import files in other formats (e.g. Microsoft® Excel®) into the program and insert the data into the marker areas. The data can be imported into the catalog's marker types.

There are various ways to import a file:

- 1. Manual import with the option of creating an import script file (see chapter "Manual import")
- 2. Automated import via a script file (see chapter "Automated import").
- 3. Automated import with one or more script files (batch import) (see chapter "Batch import").
- 4. Import controlled via the command line (command prompt) (see chapter "<u>Command line</u> <u>call</u>").

The following file formats can be imported at the moment:

- *.asc
- *.csv
- *.mpx
- *.txt
- *.wbe
- *.we?
- *.xml
- *.xls; *.xlsx

Manual import

For a manual import, the Import Wizard supports you when selecting the import parameters.

You can save them at the end of the Import Wizard to carry out automated imports with these settings (see chapter "Automated import").

Starting the import

Start the import via **File > Import...** Follow the steps of the Import Wizard.

Step 1: Start page

Import Data Wizard	
	The Import Data Wizard allows you to import data from one of the available file formats into ClearTools™.
	Don't show again.
< Back	Next > Finish Cancel Help

The start page of the Import Wizard can be hidden.

Select "Don't show again" to start directly with step 2 when you call up the wizard the next time.

You can show the start page again via the options dialog (see chapter "Options dialog").

Step 2: Filter and import type

In step 2, you select the source file you want to import.

The filter type, the saved import routine or a converter can also be selected.

iport Data	Wizard						Z
				n and select one o	of the available		闘
Select the :	source file:						
C:\project	ts:\vksample.	txt				Browse	
	is friedlight					Diowser	
-Select the	e type of the	source	file:				
💿 Filter	· · · · · ·	Script					
Text Fo	rmat (*.ASC	;*.CSV;*	*.TXT) - v. 4.	2.1.6	*		
					1997		
Proj.1	l Cable		-lXla	1	XXX	YY	
Proj.1	l Cable		-1X1b	2	XXX	YY	
Proj.1	l Cable		-1X1c	3	XXX	YY	
Proj.1	l Cable		-1X1d	4	XXX	YY	
Proj.1	2 Cable		-2Xle	5	XXX	YY	
Proj.1	2 Cable		-2X1f	6	XXX	YY	
Proj.2	l Cable		-1X2a	7	XXX	YY	
Proj.2	2 Cable		-2X2b	8	XXX	YY	
Proj.3	3 Cable		-3X2a	9	XXX	YY	
Proj.3	2 Cable		-2X2b	10	XXX	YY	
Proj.3	3 Cable		-3X2c	11	XXX	YY	
Proj.3	3 Cable		-3X2d	12	XXX	YY	
Proj.3	3 Cable	WS 5	-3X2e	13	XXX	YY	~
<						>	
						-	
	< E	Back	Next >	Finish	Cance	Hel	P

Selecting the source file

- Click on the Browse... button. A window appears where you can select the file you want to import.
- Select the file you want to import and click on the **Open** button.

The path and name of the file you want to import are now shown in the "Select the source file:" field.

Source file type

The next step is to select the import type:

- Filter: The import is effected manually via a filter file. Select the filter type in the drop-down field (e. g. *.txt, *.WEI). The filter that matches the source file is usually shown automatically.
- Script: The import is automatic via a stored script (see chapter "<u>Automated import</u>")

Step 3: Selecting the project and variant

This step serves to select the project or the marker type used to effect the import. There is a choice of options, depending on the initial situation:

- Selected element
- Existing marker type in current project
- New marker type in current project
- New Project

Import Data Wizard						
Select import target Please select the appropriate import target for the next steps.						
O Selected element						
O Existing Marker Type in the current Project						
New Project New Marker Type in the current Project						
Catalog						
New Project						
O New Project						
Cgtalog						
< Back Next > Finish Cancel Help						

Selected element

For this option, a marker type must be opened and a marker must be selected. The import is inserted from the selected marker on. If no marker is selected, the data is inserted from the first marker on.

Existing marker type in current project

For this option, a marker type must be opened.

The import is effected starting with the first marker of the selected marker type.

New marker type in current project

• Click on "Catalog..." to select a marker type from the catalog.

A new marker type is added to the current project during the import.

New Project

• Click on "Catalog..." to select a marker type from the catalog. The import is effected into a new project with the selected marker type.



If a non-saved other project/marker type is still open, a confirmation prompt is displayed before the import starts.

Steps 4/5: Selecting the data format and field delimiter

Specify whether the columns in the source file have been defined with a delimiter (such as a semicolon or tab character) or with a fixed column width (see section "<u>Source file with delimiter</u>" or "<u>Source file with fixed column width</u>").

In addition, you can select:

• File origin

Specify the operating system used to create the file.

• Fields enclosed by Text characters enclosed by the character specified here are interpreted as text. Delimiters are thus ignored (masked).

Import Data Wizard				
Data Type Choose the data type that best describes your data.				
Original Data Type • Delimited (Characters such as sem) • Eixed Width (Fields are aligned in colu File origin • WINDOWS MAC • UNIX MS-DOS(PC8)	icolons or tabs separate each field)) imns with fixed width) Fields enclosed by Character			
< Back Next >	Finish Cancel Help			

Source file with delimiter

• Select the option "Delimited..." if the source file is a file with columns that are delimited by a character, such as semicolon, tab, etc.

Example of a file with delimiter

Ор	Opened in Microsoft® Excel®: Opened in a text editor:				
	A	В	=-×1;1		
1	=-X1	1			
2		2			
3		3	· 4		
4		4	.5		
5		5	ié		
6		6	;2 ;3 ;4 ;5 ;6		
7		7	=A1+01;L1		
8	=A1+1	L1			
9		L1	;L1		
10		L2	;L2		
11		L2	=A1+2;M1:L1		
12	=A1+2	M1:L1	;M1:L2		
13		M1:L2	;M1:L3		
14		M1:L3	;1 1.0		
15		l 1.0	;1 1.1		
16		11.1	;1 1.2		
17		11.2	;1 1.3		
18		I 1.3	;1 1.4		
19		11.4	;1 1.5		
20		l 1.5	;1 1.6		
21		l 1.6	;ī 1.7		
22		11.7	;ī 2.0		
23		12.0	;I 2.1		
24		12.1	;ī 2.2		
25		12.2	;I 2.1 ;I 2.2 ;I 2.3 ;I 2.4 ;I 2.5 ;I 2.7 ;I 3.0		
26		12.3			
27		12.4	;I 2.4 ;I 2.5		
28		12.5			
29		12.7			
30		13.0	;I 2.7 ;I 3.0 ;I 3.1 ;I 3.2 ;I 3.3		
31		13.1	; I 3.2		
32		13.2	;I 3.3		
33		13.3	,1 3.5		

The examples shown above are a two-column file in Excel® with the semicolon defined as the delimiter as shown on the right. Because there is no data before the semicolon in the second row, for example, the first column is empty.

The file on the right was saved from within Excel® in CSV format (character-separated values).

• Click on **Next** to go to the next step.

Delimiters		Ignore Lines	
Semicolon	🔽 Tab	First Import Line:	1
Space	Comma	Last Import Line:	22
🔲 Other		Keep 'Other' Delimiters	

- The program suggests the characters to delimit the columns. If a different delimiter has been used, you can select it by clicking the appropriate radio button.
- If you click the **Other** radio button, you can select another delimiter in the field next to this.
- To use different delimiters on an additive basis, enter them in the **Other** field and enable the "**Keep 'other' delimiters**" option.
 - This option is only available if the csv, VK, or WES filter was selected in step 2.
- A new column starts at the points at which there is a delimiter.
- Define the first and last import lines.

Unfortunately, the semicolon, tab, space and comma cannot be retained as the delimiter with the option "**Keep 'other' Delimiters**"!

Source file with fixed column width

• Select the option "Fixed width..." if the source file contains fixed-width columns, for example column 1 = 10 characters, column 2 = 2 characters.

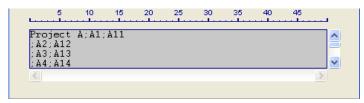
Example of a fixed-width file opened in a text editor

• Click on **Next** to go to the next step.

Import Data Wizard	×
Field Width This screen lets you set the field width.	
Tip Lines with arrow signify a column break. To CREATE a break line, dick at the desired position. To DELETE a break line, dick on the line.	
Ignore Lines First Import Line: I Last Import Line: 15	
5 10 15 20 25 30 35 40 45	
1 Project A;A1;A11 2 ;A2;A12 3 ;A3;A13 4 ;A4;A14	
4 III >>	
< Back Next > Finish Cancel H	Help

Define the column widths.

• To do this, click on the ruler at the position where you want a new column to start. The columns are separated by an arrow.



• You can remove the column break by clicking on the arrow again.

Importing an Excel file

When importing an Excel® file (*.xls, *.xlsx) you can select the worksheet and import range in this step.

	rt Settings parameters to get import d	lata from Microsoft Excel sheet.	
Tab complete_0	1	•	
All avalia	ble data		
🔘 Range			
From:	e.g. A10 To:	e.g. C200	

8

Data is only imported from one worksheet Only content is imported – no formats

Step 6: Options

Set further import options:

- Filter: Simple filter rule The selected column is imported filtered using the selected criteria
- Repetitions: The import row is repeated several times. The repetition factor per row is read from the selected column.
- Extended filter Further filter rules that can be applied to several columns.

Import Data Wiza	rd			×
Options Choose the ph	mase, the repetition and	I the sort order of a c	olumn.	P
Filter Column:	Column 1 💌	Criteri <u>a</u> : Star	ts with 💌 0	
Repetitions Column:	Column 2 🔽	x 1 🌔	Extended Filter	
	ading to sort the fields in			
Pos Column 1	Column 2	Column 3	Column 4	Column
1 A 2 G	B H	⊂ I	D J	E K
3 1	2	3	4	5
4 7	8	9	10	11
<				>
C	< Back Next >	Finish	Cancel	Help

Step 7: Field mappings

Use this step to determine the field mappings.

- Mapping type
- Field mapping
- Field format

Im	port Data Wiza	ard					
	Field mappin This step a		u to ma	p the source co	lumns to the ta	rget fields.	
	Mapping Type: Insert on Strip		o colo	umn by column) line	by line	
	PROJECT	=		-			
	MARKER	=		•			
	Column 1	Column	2	Column 3	Column 4	Column 5	Column 6
	A	B	2	C	D	E	F
	G	н		I	3	ĸ	L
	1	2		3	4	5	6
	7	8		9	10	11	12
		< B	ack	Next >	Finish	Can	cel Help

Mapping type

Column by column

Column by column refers to the columns of the data grid. Select **Column by column** if you want to assign the content to special columns (markers/elements).

Line by line

Line by line refers to the lines of the data grid.

PROJECT	MARKER	TEXTBOX1
1	 2	3
	— 4 —	 5
6	7	8

Select **Line by line** if you want to add the imported content line by line (as shown in the data grid).

Field mappings

You can import data into existing elements (into the marker type) via the field mappings. The field names – such as PROJECT, MARKER or TEXTBOX1 – are defined via the properties of the elements (see chapter "Editing elements")

Insert on Strip No.:		1	•						
PROJECT	=	Column 1	•		•		Ŧ		
MARKER	=	Column 2	•	Tab	•	Column 3	Ŧ	-	•
TEXTBOX1	=	Column 5	•	Plus	Ŧ	Column 6	Ŧ	•	•

Combination options are, for example:

- Return
- Space
- Tab
- Without delimiter (plus)
- Texts

Field formats

The content of the columns to be imported can be formatted via the Import Wizard (font, color, size).

- Select a drop-down field with selected column.
- Click on the icon A to open the format dialog.
- Select the data format.

Data already formatted is color-shaded:

Mapping Type:		⊙ <u>c</u> olumn by column ○ line by line		Α	Å
PROJECT	=	Column 1 🗸 🔽			
MARKER	=	Column 2 V Line V Column 3 V	~	~	
 To delete 	э А	LL formats, click on 📧.			

Import Project Text into Marker

The texts of the project layer (project markers) can automatically be inserted in the marker areas (markers) during the import process.

- Click on the button to import the project texts into the markers.
- The appearance of the button changes to

Example:

The following text file is due to be imported using the indicated field mappings:

1	$\longrightarrow \longrightarrow -X0$
2	$S1 \rightarrow A1 \rightarrow -X1$
3	$S1 \rightarrow A1 \rightarrow -X2$
4	$S1 \rightarrow A1 \rightarrow -X3$
5	$S1 \rightarrow A2 \rightarrow -X4$
6	$S1 \rightarrow A2 \rightarrow -X5$
7	$S2 \rightarrow A1 \rightarrow -X6$
8	$S2 \rightarrow A1 \rightarrow -X7$
9	$S2 \rightarrow A2 \rightarrow -X8$
10	$S2 \rightarrow A2 \rightarrow -X9$
11	$S3 \rightarrow A3 \rightarrow -X10$
12	\longrightarrow -X11
13	$33 \rightarrow A3 \rightarrow -X12$
14	$\longrightarrow \longrightarrow$
15	$33 \rightarrow A3 \rightarrow -X14$
16	$33 \rightarrow A4 \rightarrow -X15$
17	$33 \rightarrow A4 \rightarrow$
18	$33 \rightarrow A4 \rightarrow -X17$
19	
20	

Mapping Type:		⊙ <u>c</u> olumn by	y column	🔘 ļine	by line		
PROJECT	=	Column 1	- Spa	Column 2	~	~	~
MARKER	=	Column 3	~	*	~		

∢ 101 70, . , 60, . , 50, . , 40, . , 30, . , 20, . , 1 -X14 -X17 ¥ -X15 -X6 -X8 **S2** 5

Import **WITHOUT** the function results in the following:

Import **WITH** the function results in the following:

4		
10		<u>, , ,70 , ,80 , ,</u> 9
<u>유</u> 민이		
S2 A1		
	-X12	
-X4	-X11	
응 ⁻ S1 A2	-X10	
	S3 A3	
-X3		
-X2	-X9	-X17
	-X8	
S1 A1	S2 A2	-X15
<u>⊛</u>	-X7	S3 A4
2 2	-X6	-X14
H -		

Step 8: Saving and finishing

The last step serves to complete the import. You have the following options to complete the import:

- Set the number of iterations of data import
- Save

The defined import steps are saved as a script file (see chapter "<u>Automated import</u>" or "<u>Batch import</u>").

• Finish

Imports the source file with the settings made.

Import Data Wizard	×
Load data You are now ready to start data import.	盟
If you entered all information correctly click Finish to proceed the data import.	
Number of iterations of data import:	
The Save Button lets you save the current settings for further use.	
5a <u>v</u> e	
<pre>< Back Next > Finish Cancel He</pre>	lp 📄

If the data is imported successfully, the following message box appears, showing how many records were imported:



If you can see a red triangle in text fields on the workspace, the imported data does not fit into the field.

Not all of the text is displayed or printed.

You will need to shorten the text or reduce the font size! (See also "<u>Adjusting the font size</u>")

Automated import

If you have previously imported a file and saved the import routine (see section "<u>Step 8: Saving</u> and finishing"), you can reuse this routine.

Start the import process as described in chapter "<u>Starting the import</u>".

nport Data	Wizard				X
	F ile Type the file name to imp rom the drop-down		and select one o	of the available	P
S <u>e</u> lect the so	ource file:				
C:\projects	s'\vksample.txt				Browse
◯ Filter	type of the source				Browse
Proj.1	1 Cable bl 2	-1X1a	1	XXX	YY 🔺
Proj.l Proj.l	l Cable bl 2 l Cable bl 2	-1X1b -1X1c	2 3	XXX XXX	YY YY
Proj.1	l Cable bl 2	-1X1d	4	XXX	YY
Proj.l	2 Cable bl 2	-2Xle	5	XXX	YY
Proj.l	2 Cable bl 2	-2X1f	6	XXX	YY
Proj.2	1 Cable bl 2	-1X2a	7	XXX	YY YY
Proj.2 Proj.3	2 Cable ws 5 3 Cable ws 5	-2X2b -3X2a	8 9	XXX XXX	YY
Proj.3	2 Cable ws 5	-2X2b	10	202	YY -
Proj.3	3 Cable ws 5	-3X2c	11	XXX	YY
Proj.3	3 Cable ws 5	-3X2d	12	XXX	YY
Proj.3	3 Cable ws 5	-3X2e	13	xxx	үү 🗸
<					>
	< Back	Next >	Finish	Cance	Help

Selecting the source file

- Click on the Find... button. A window appears where you can select the file you want to import.
- Select the file you want to import and click on the **Open** button.

The path and name of the file you want to import are now shown in the "Select the source file:" field.

Selecting the import script

- Select Script as the source file type and click on Find....
- **Open** the script file (*.mis).
- Click on the **Finish** button or if you want to make changes, click on the **Next** > button.

The import routine is started and the data is inserted in the marker type.

Batch import

A batch import is an automated import. You have the following options:

- Import of one or several different source files.
- Each source file can be imported with its own script (see "Step 8: Saving and finishing").
- You can import into marker types from the catalog.
- You can import into marker types of the open project.
- The batch that you compiled can be saved and reloaded at any time.
- A saved batch import file "*.bis" can also be opened via a command line call.

Start the batch import via File > Batch Import...

Files			
Source File:	C:\ProgramDatai\data\Typelabel	.txt	
Script File:	C:\ProgramData\data\Typelabel.	mis	
Target:	🔘 New Marker Type		
	Marker Type in Project		
	At the beginning	At the end	
	SubProject\;		
	Add	Change	
ile List		I	× 🔒
	Script File	Marker Type	
Source File	benperne		
Source File	banjerne		
Source File			

Creating/adding a batch

• If you want to add a new import process to the batch, the fields "Source file", "Script file" and "Marker type" must be completed.

Select the button in each case.

- In the target you can also choose whether you want to import the data into a new marker type or into a marker type from the project that is open. In the latter case you can also define whether the data should be inserted at the beginning or at the end of the respective marker type.
- Click on the **Add** button to add the selected import combination to the batch.

Changing a batch

Changing the import combination

- Click on the batch entry in the list that you want to change.
- Change the import combination via the will button or the selection option under Target.
- Change the batch entry by clicking on **Change**.

Movie the batch entry

• Use the arrow buttons to adjust the order of batch processing.

Delete batch entries



Deletes the selected list entry.



Deletes ALL list entries.

A

The entries are deleted without a confirmation prompt.

Printing

Introduction

This chapter describes how to set up and calibrate printers and how to assign them to captioned MarkerCard mats, labels etc., as well as the two printing options:

- 5. Via the standard print dialog (see section "<u>Calling up the print dialog</u>").
- 6. Via the fast printing mode (see section "Fast printing").

Calling up the print dialog

• Select File > Print....

This opens the print dialog where you can print and define all printer settings.

🥹 Print Project (New Project)		—
Printer]
	1	Settings
Map printer for 1492-MW14X23	2	Map
Copies	Duplicate Markers	Calibration
Number of Copies:	Number of Duplicates: 1 1 2 V Collate	3
Jobs		
All Marker Types 5		
© Marker <u>T</u> ype: 6	1492-MW14X23 🔻 Offset;	9 1 🛬
🔘 Single Pages 7		-
Selected Markers 8		
		F) F) [18
Type 10 Marker Ty 11 Pages	2 Copie: 13 Printer 14	Heating 15 Quality
1492-M 1492-MW 1	1	
•		- F
Show message box for Marker Type change	16	
<u>W</u> ithout curing (only ClearMark™ Advanced) 17	
	Print	Cancel

1 Settings

Show the printer settings dialog, if available.

The ClearMark[™] can only be set via the options dialog (see chapter "<u>ClearMark[™]</u>").

If the button is not enabled when you have selected a printer, it can be enabled via the options dialog (see chapter "Options dialog", section "Environment", subsection "<u>View</u>")

2 Map

Map (assign) a printer to the selected marker type. The mapping is saved. To make changes, see chapter "<u>Mapping a printer to a marker type</u>".

3 Calibration

Adjust printers to the selected marker type (see chapter "Adjusting the printer offset").

4 Number of copies

The number of times the print job has to run? Printing can also be separated by markers (duplicates) (see chapter "<u>Setting up</u> <u>print jobs</u>").

5 All marker types

All marker types in the list are printed.

6 Marker type

Only the selected marker type is printed.

7 Single pages

Selection of specific pages of different marker types to be printed.

8 Selected markers

Select whether the project markers shall also be printed or whether the markers remain at their position or are combined.

9 Offset

The print dialog shows an "Offset" field if only one marker type has been selected for printing.

The offset shifts the start position for printing from the first marker to a different one.

For example, if you set the offset to 8, the first seven markers remain blank and printing starts at the eighth marker. The default setting is 1.

10 **Type**

All printable marker types in the current project.

11 Marker type title / Variant name

The marker type title. Clicking on the column header switches the display to the variant name (see chapter "<u>Renaming a product</u>").

12 Pages

Number of printable pages for the marker type

13 Number

The number of times the marker type in the list is printed? Click into the field and enter the number of copies. Note that the **number** is multiplied by the **number of copies**.

14 Printer

The printer mapped to the marker type. To make changes, see chapter "<u>Mapping</u> <u>a printer to a marker type</u>".

15 Heating

The required heating for the marker type (depends on the selected printer). **Quality**

The set print quality on the ClearMark[™] is displayed.

16 Show marker type change

If there are several marker types in the print process, a dialog is shown before a change to another marker type so that, for example, the printer magazine / plotter fixture can be changed.

The value of this selection box is saved and re-used when the print dialog is opened again. This box is ignored in fast printing mode (see chapter "Fast printing").

17 Without curing (only ClearMark[™] Advanced)

Heating is not switched on when printing on the ClearMark[™] Advanced. The ink is not cured and can be removed again, for example, with cold water.

18 User-defined page selection

If you select "Single pages" (see item 7), you can make the following choice via three buttons:

- User-defined page selection (manual)
- Select all pages
- Deselect all (no page selection)

Mapping a printer to a marker type

By default, no printer is mapped to a marker type.

If no printer has been mapped to any or all of the marker types to be printed, confirming the message that appears sends the data to the default printer.

- Open the print dialog via File > Print...
- In the selection box, select the marker type that you want to map to a printer.
- Then select a printer from the "Printer" field and click the Map button..
- In the selection dialog that follows, define whether the selected printer is a printer or a plotter.
- In the dialog that follows, you can define whether you want to map the output device to all variants of the product. Select "No" to assign just the selected variant.

The selected printer is automatically assigned to this marker type whenever it is printed.



To map a different printer to the marker type, select the required printer from those that are installed and open the mapping dialog (see chapter "Options dialog", section "Plotter", section "General").

Printer correction

The printer may vary from its standard calibration in both the horizontal and vertical directions due to the environment or manufacturing.

• To correct the printer, select Tools > Printer Administration > Set Printer Correction....

The following window appears:

et Printer Correction			— ×
Step 1: Select Printer			
Select printer for this Mar	ker Type,		
		•	Settings
			Page Margin
Map printer			Мар
Step 2: Print Test Page			
In order to determine the a specified size first.	printer feed rate you	have to	print a rectangle with
Specified Width (X):	210	mm	
Specified Height (Y):	48	mm	Print Rectangle
Step 3: Measure Actual S	ze		
Please measure the actua these values into the field		he recta	ngle and insert
Actual Width (X):	210	mm	100 %
Actual Height (Y):	48	mm	100 %
			Print Adjusted Rectangle
	ОК		Cancel

Print a test page with a rectangle whose size you have to specify.

- In the **Specified width (X)** and **Specified height (Y)** fields enter the size of the rectangle and click the **Print Rectangle** button.
- Measure the width and height of the printed rectangle, and enter these figures in the Actual width (X) and Actual height (Y) fields if they vary from the specified values.
- Close the window with **OK**.
- Printer correction is not allowed for plotters!
 All printers that have been declared as plotters (see "<u>Plotter</u>") are not shown in the printer selection box.
- Printer correction only has to be done once for every printer. It does not depend on the markers.
- This function runs on the ClearMark™ Advanced without curing and at the "fast" print quality.

Setting material-dependent slip

To adjust the MarkerCard side margin and feed, select **Tools > Printer Administration > Set Material-dependent Slip**...

et Material-dependent SI	ip		×
Step 1: Select Printer			
Select printer for this Marl	ker Type,		
	•	•	Settings
			Page Margin
Map printer for			Мар
Step 2: Print Test Page			
In order to determine the a specified size first.	printer feed rate you	have to	print a rectangle with
Specified Width (X):	210	mm	
Specified Height (Y):	48	mm	Print Rectangle
Step 3: Measure Actual Siz	ze		
Please measure the actua these values into the field		he recta	angle and insert
Actual Width (X):	210	mm	100 %
Actual Height (Y):	48	mm	100 %
			Print Adjusted Rectangle
(ОК		Cancel

Print a test page with a rectangle whose size you have to specify.

- In the **Specified width (X)** and **Specified height (Y)** fields enter the size of the rectangle and click the **Print Rectangle** button.
- Measure the width and height of the printed rectangle, and enter these figures in the Actual width (X) and Actual height (Y) fields if they vary from the specified values.
- Close the window with **OK**.

This function runs on the ClearMark™ Advanced without curing and at the "fast" print quality.

Adjusting the printer to the marker type

If printing is at the wrong position on the print medium (MarkerCard, label, etc.), then you can adjust the printer to the medium in question. The settings are made on the printer side by selecting the print medium (see section "<u>Setting the</u>

printer to a print medium") or on the program side by setting the margins, feed etc. (see section "Adjusting the printer offset").

Setting the printer to a print medium

When printing labels, the printer has to be set to the right print medium.

• Open the print dialog via **File > Print...**

This opens the print dialog.

• Select the printer to be adjusted and click on the **Settings...** button.

Print Project (New Project)	.
Printer	
•	Settings
Map printer for	Мар

The window for setting up the printer opens.

		? 🛛
Printer		
<u>N</u> ame		Propertjes
Status	Default printer; Ready	
Туре		
Location Comment		
☐ Print to file		20
Print range	Copies	
⊙ <u>A</u> II	Number of <u>c</u> opies	1 🗦
C Pages		Collate
O Selection	11 22 33	
Options	OK Cancel	<u>H</u> elp

• In the "Paper" field, select the appropriate print medium and click on OK.

If the right paper is not available, you can click on the **Properties** button to define the settings for the printer.

To make sure that these settings are also available when the program is launched again, you should set these properties directly in the printer driver (see also the printer's manual/short guide).

- Click on the Windows Start button, then select Control Panel > Printers.
- Right-click on the required printer and select **Properties** from the shortcut menu.
- Set the right paper.

Adjusting the printer offset

• To calibrate a mapped printer, click on the **Calibration...** button.

🚇 Print Project (Neues P	rojekt)	×
Printer Map printer		✓ <u>S</u> ettings
Copies	Duplicate Markers	Calibration

8

Calibration is **not possible** if "ClearMark[™] Advanced File Output" is selected. A message to this effect is displayed.

The following window appears:

(The appearance of the image depends on the marker type.)

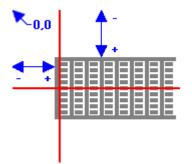
			×
Page Margin			Save
	Top: 0 mm	Change the left and top values, until the coordinate plane is printed on the marker in the shown position.	Cancel
Left: 0 mm			
		-	
		Reset to Default	
	Print Coordinate Plane		
	Set Printer Correction		
	Set Material-dependent Slip		
	Adjust Marker Type		

Adjusting the left and top margins

Settings for markers

To adjust the left and top margins of a MarkerCard mat, you must print a coordinate plane on a MarkerCard mat and measure its position.

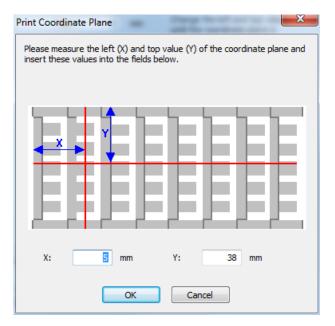
The coordinate plane should be in the following position:





This function runs on the ClearMark[™] Advanced without curing and at the "fast" print quality.

• To print a test coordinate plane, click on the **Print Coordinate Plane...** button.



The "Print Coordinate Plane" window opens during printing.

• Measure the left and top margins of the printed coordinate plane as shown, enter the figures in the corresponding fields and close the window with **OK**.

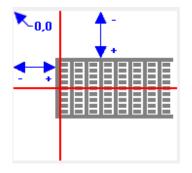
If necessary, repeat these steps to check the position of the coordinate plane.

Settings for labels

To adjust the left and top margins of a label you should print a label (a filled rectangle the size of the label is advantageous) and measure the position.

It is important that the right paper is set in the printer (see section "<u>Setting the printer to a print</u> <u>medium</u>").

The label should be in the following position:



• Measure the left and top margins of the label as shown, enter the figures in the corresponding fields and close the window with **Save**.

			×
Page Margin			Save
	Top: 0 mm	Change the left and top values, until the coordinate plane is printed on the marker in the shown position.	Cancel
Left: 0 mm			
		Reset to Default	
	Print Coordinate Plane		
	Set Printer Correction Set Material-dependent Slip		
	Adjust Marker Type		

If necessary, repeat these steps to check the position of the label.



The margin only has to be adjusted once for every printer. Printer offsets do not depend on the markers.

Adjusting the size of the marker type

Marker types may not be their normal size, for example as a result of the ambient temperature.

• Click on the Adjust Marker Type... button, or select File > Adjust Marker Type... from the File menu.

The following window appears.

Adjust Marker Type			X
Please insert the actual width and height in the			
¥- ¥- ▼+			
		SpeedMarking Laser	
Specified Size (Ideal Value) Width: 210 mm	Actual Size Width (X):	210 mm	100 %
Height: 59 mm	Height (Y):	59 mm	100 %
	Offset (a):	0 mm	
	Off <u>s</u> et (b):	0 mm	
Options			
Use this setting for the following printers:			
Acrobat Distiller			~
QLS 2001	er		≡
ImageMaker Color Driver HP LaserJet 5L			
			~
	<u>OK</u>		

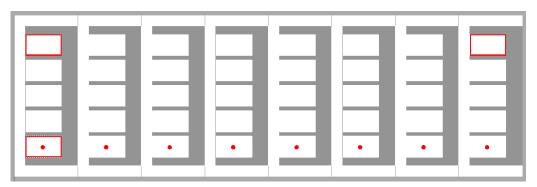
- Under "Options", select the printers for which these settings are due to be saved.
- Measure the width and height of the marker type as shown, and enter the figures in the Width (X) and Height (Y) fields.
- Close the window with **OK**.

Adjustment aid

You can do a trial print with an adjustment aid. The adjustment aid consists in printing rectangles in marker size and centered dots.

- Under "Options", select the printer on which you want to output the adjustment aid.
- Click on the 🖾 button.
- The adjustment aid is output on the printer.

Example:





The adjustment aid is not available for the plotter.

8

This function runs on the ClearMark[™] Advanced without curing and at the "fast" print quality.

Setting the print position

The print position can be changed on the following printers: ClearMultiprint™ Marking System

- Map a printer. See chapter "Mapping a printer to a marker type".
- Switch to the info page. See chapter "Info page".

Settings		
Speed (mm/s):	Default (75)	
Darkness:	Default (10)	
Perforation Depth:		
Cut before Job:		
Tear-off Mode:	Default (On)	
Backfeed;		
Print Position (mm):	0/0	Edit

• Select the Edit button.

-	Print Position
	Please enter the offset value.
	Print Position (mm): 0 OK Cancel
3	
Print Position (mr	n): 0 0
	Reset to Config Values
	OK Cancel

The print position can be adjusted via an offset value.

The offset value is saved for the combination of marker type and printer.

0

A

After a change of print position, there is an automatic calibration feed of at least 5 cm the next time printing takes places.

Setting up print jobs

• Select **File > Print...** on the menu bar.

The print dialog opens and you can select the jobs.

🚇 Print Project	(New Project)					— ×
Printer						Cathings
Map printer for	1492-MW14X23					Settings
Copies Num <u>b</u> er of Copie	ac:	1	- Duplicate Marker Number of <u>D</u> uplic			Calibration
				Collate		
Jobs						
I Marker Ty	rpes					
Marker <u>Type</u>	:		1492-MW14X23	▼ Of	fset:	1 📩
🔘 Single Pages						
Selected Mar	kers					
Туре	Marker Ty	Pages	Copies	Printer	Hea	iting Quality
1492-M	1492-MW	1	1			
•			III			4
Show messa	ge box for Marke	r Type change				
Without curi	ng (only ClearMa	rk™ Advanced)				
			(Print		Cancel

If no printer has been mapped to any or all of the marker types to be printed, confirming the message that appears sends the data to the default printer.

During printing, the individual markers can be reproduced any number of times. Select the settings as follows:



Printing is in the order of markers as arranged in the marker type.



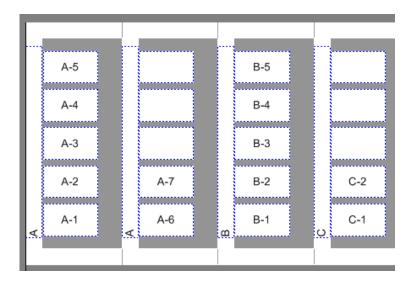
Printing is separated according to the individual markers on the basis of the number of duplicates defined.



Existing projects are retained in the course of duplication.

Example:

Populated marker type:



Printing sorted with 2 duplicates:

ſ

Duplicate Markers								
Number of <u>D</u> uplicates:	2 🛟							
1212 VCollate								

A-5		B-5		A-5		B-5	
A-4		B-4		A-4		B-4	
A-3		B-3		A-3		B-3	
A-2	A-7	B-2	C-2	A-2	A-7	B-2	C-2
A-1 ∢	A-6 ∢	B-1	C-1 U	A-1 ∢	A-6 ∢	В-1 Ф	C-1 O

Printing separated with 2 duplicates:

Duplicate Markers	
Number of Duplicates:	2 🜲
1122 Collate	

	A-3	A-5		B-3	B-5	
	A-2	A-5	A-7	B-2	B-5	C-2
	A-2	A-4	A-7	B-2	B-4	C-2
	A-1	A-4	A-6	B-1	B-4	C-1
A	A-1	A-3	A-6 ≮	B-1 ന	B-3	C-1 ပ

Fast printing

• To print just the current page, click on the following icon in the toolbar.

Г		
	100	
	_	

A message is output if the marker type to be printed has not been mapped to a printer.

			x
	assigned to a pri this Marker Type	nter. on the default printer	?
Yes	No	Cancel	

If you specify **Yes**, the page is output on the default printer. If you specify **No**, the print dialog opens so that you can map a printer (see section "<u>Mapping a printer to a marker type</u>").

Printing directly

You can print all supported file formats directly via the command line.

Syntax: "c:\program\ClearTools.exe" -p "myprint.rde"

Status Monitor

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During printing, the Status Monitor reports the status of the connected printer(s).

👼 Statu	s Monitor							_		Х
Printer	Printjobs	View	Help							
🚇 Status	Monitor v.	7. 9. 0								
Printer			Status		Info					д ;
192.168.4	2.37				🗆 G	eneral				-
					N	ame				
						erial Numbe				
						lodel Name	-	ClearMark™	Advanced	1
						onnection 1	Туре			
						address				-
						ort fo <mark>I</mark> Ink		1		
Delection										д ;
Printjobs	K 🚟 🇰									- -
			A d'ala an	C	ID a laboration	D. L.D.	1-1-10	Chalana		
Article	Article	Co	Article co	Computer	IP address	Print ID	Job ID	Status		
Ready								C	P NUM S	CRI

The following printers are supported: ClearMultiprint™ Marking System

In the options, you can set the Status Monitor to open automatically whenever you output to the printer in question (see "<u>ClearMark™</u> <u>Advanced</u>").

If a connected printer is not shown in the list, check the settings for the printer (see "<u>Printer Explorer</u>").

Status Monitor settings

The following settings, among others, can be defined in the Status Monitor via "Printer > Options":

Options	x
General Settings	
Minimize to notification area	
Start together with windows	
Show detailed printjob info	
Alerts Do not pop up on status changes and alerts Pop up on status changes and alerts 	
OK	el

Minimize to notification area

When the window is minimized, the Status Monitor is not shown on the taskbar but in the notification area.

Start together with Windows

The Status Monitor is started when Windows starts.

Show print jobs in detail

If you select this, more information columns are shown on the "Print Jobs" tab (see "<u>Status Monitor print jobs</u>").

Status Monitor print jobs

You can see the list of print jobs via the "Print jobs" window.

👼 Statu	ıs Monitor							_		×
Printer	Printjobs	View	Help							
🚇 Statu	s Monitor v.	7. 9. 0								
Printer			Status		Info					ф,
192.168.4	2.37				🗆 G	eneral				-
					N	ame				
					Se	erial Numbe	er			
						lodel Name		ClearMark™	Advance	ed
						onnection 1	Гуре			
						address				
						fo Ink				
Printjobs										д)
美保	¥ 🚟 🗰									
Article	Article	Со	Article co	Computer	IP address	Print ID	Job ID	Status		

To delete existing print jobs, select the option on the Status Monitor's "Print jobs" menu.

To change the number of information columns shown, see section "Status Monitor settings").

Information

You can see information about the printer via the "Info" tab.

The information shown includes, for example, the fill level and expiration date of the individual ink cartridges, depending on the printer.

👼 Statu	ıs Monitor								_		×	
Printer	Printjobs	View	Help									
🚇 Statu	s Monitor v.	7. 9. 0										
Printer			Status			Info					џ	×
192.168.4	2.37					🗆 G	eneral					-
							ame				_	
							erial Numbe				_	
						N	lodel Name		ClearMark™	Advanced	_	
							onnection 1	Гуре			_	
							address				_	_
					— I		ort				_	-
						📑 In	fo Ink					
Printjobs											д	×
圣保	¥ 🕮 🎹											
Article	Article	Co	Article co	Computer	IP add	ress	Print ID	Job ID	Status			
											_	_
Ready									CA	P NUM SC	RL	

Printer Explorer

With the Printer Explorer, you can add or remove the following printers: ClearMultiprint™ Marking System, ClearMark™ Advanced Marking System

Unlike conventional printers, there is no need to install a driver for these printers as they are not network printers.

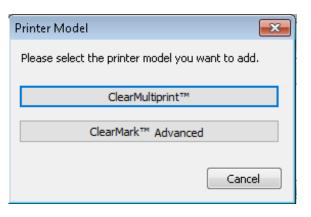
Start the Printer Explorer via the Windows start menu ("Rockwell Automation" folder).

Printer Explorer						
Name	$-\Delta$	Model Name	Serial Number	Network Name / IP Address		
192.168.42.50		ClearMultiprint		192.168.42.50		
•				1		
Add	Test	Properties De	elete	Close		

Adding a printer

To add a printer, start the Printer Explorer and click on the **Add...** button.

• Select the printer model.

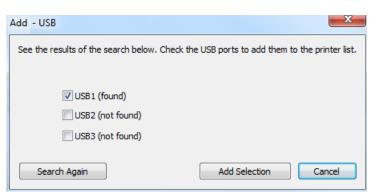


• Choose how you want to connect your printer (Network option only available with ClearMultiprint™ Marking System).

×
Which port is your printer connected to?
USB
Network
Cancel

USB port

- Click on the **USB** button.
- The program automatically searches for connected printers.



or

Add - USB	X
See the results of the search below. Check the prin	ters to add them to the printer list.
Serial Number	
170115047462	
Search Again	Add Selection Cancel

- Select the required USB port or printer.
- Click on the **Add Selection** button.

Network interface (only available with ClearMultiprint[™] Marking System)

- Click on the **Network** button.
- In the dialog, enter the settings for the printer on the network and click on the Add button.

Add - Network		X
You can add a printer	r by entering the IP address and	the port.
IP Address:	1	
Port:	9100	
	Add	Cancel

To test the settings, select the test function (see "Testing a printer").

Testing a printer

To test the accessibility of a connected printer, start the Printer Explorer, select a printer from the list and click on the **Test** button.

If the connection test fails, check the settings for the printer (see "Printer properties").

The following printers are supported: ClearMultiprint[™] Marking System, ClearMark[™] Advanced Marking System

Printer properties

To display and adjust the properties of a connected printer, start the Printer Explorer, select a printer from the list and click on the **Properties** button.

A dialog opens in which you can set the name of the printer and, if applicable, the port.

The following printers are supported: ClearMultiprint™ Marking System, ClearMark™ Advanced Marking System

Printer properties	X
Display Name:	Printer
Serial Number:	PA12070006
Network Name:	
IP Address:	192.168.42.45
Port:	8181
	OK Cancel

Activating The Plotter

Introduction

This chapter describes how to set up and activate the plotter and how to assign it to captioned MarkerCard mats, labels etc., as well as the plotting options.

The plotter can be connected via the Centronics or USB port.

For details of general printing functions, please refer to chapter "Printing".

Plot mode

In plot mode, only the functions and elements relevant to the plotter are shown on the user interface.

The following elements are permitted in plot mode:

- 7. Graphics, provided they are plotter symbols (*.mps files)
- 8. Text fields containing plotter font characters
- 9. Lines

All elements are shown in black-and-white.

On entering plot mode, all layers are checked for unplottable elements. If unplottable elements are found, a message appears.

Such elements (e.g. barcodes) are no longer shown, but stay present internally. All elements are shown again on quitting plot mode.

- To switch to plot mode, select File > Toggle Plot Mode, or click on the following icon in the toolbar:
- Plot mode is active when "Plot mode" is written next to the version number or when the following icon in the toolbar appears depressed:
- On entering plot mode, all elements in the lock layer remain visible so that gaps that could possibly damage the plotter pen remain visible. However, the lock layer is not evaluated in plot mode.

Startup options for plot mode

The display in plot mode can be set up via the options dialog (select **Tools > Options**).

Options			×
 □ Environment □ Plotter ● General MarkerCard Fixture PLOTPLT Fixture 	General	1ode	
Pen Priming	Device Acrobat Distiller Generic / Text Only USB Plotter	Mapping Mode Ask User Ask User Ask User	

Check "Start in plot mode" if you want plot mode to run when ClearTools™ restarts or opens a saved ClearTools™ file or creates a new project.

Printing/plotting

Plotting is carried out in the same way as printing (see "<u>Printing</u>").

A plotter must be mapped to the marker type beforehand (see "<u>Mapping a plotter to a marker</u> type").

Afterwards, the marker type can be adjusted (see "<u>Adjusting the printer to the marker type</u>") and the plotter can be calibrated (see "<u>Adjusting the marker type to the plotter</u>").

Selecting the pen and inlay

Before plotting begins, a dialog appears with the settings for the selected marker type.

Card Fixture						×
Selection <u>P</u> lotter: P <u>e</u> n:	No Pen			······		
	(
Make the sett		nd load it as shown in		Fishing	4 Findana F	
	Fixture <u>1</u>	Fixture 2	Fixture <u>3</u>	Fixture		
	Use Frame	Use Frame	Use Frame	Use Fran	ne Frame	2
	•	•		•	•	
4321	 1 2 3 4 5 					
Co	ntinue Plotting				Cance	el

Selecting the pen

Select the pen that is to be used in the plotter. The default setting for the pen is defined in the calibration dialog (see section "<u>Calibration dialog</u>").

If "No pen" is selected, an external pen can be used that is not returned to the pen holder.

Step settings for the inlay

The step settings for the inlay are shown when printing on a MarkerCard. Place the inlay on the step shown (1 to 5). Note that an inlay is not required with some MarkerCards.

Changing the marker type

When printing several pages or marker types in a project, a dialog shows which fixture will be printed next and with which marker type.

Card Fixture						X
Selection <u>P</u> lotter:						
P <u>e</u> n:	No Pen					
Make the sett	ings on the plotter a	nd load it as shown in	the figure below.			
	Fixture <u>1</u>	Fixture 2	Fixture <u>3</u>	Fixture <u>4</u>	Fixture <u>5</u>	
	Use Frame	Use Frame	Use Frame	 Use Frame	Use Frame	
	•	•		•	•	
() () () ()	+ 1 + 2 + 3 + 4 + 5	-				
	/))(
Co	ntinue Plotting				<u>C</u> ancel	

- Click on the **Continue Plotting** button to send the configuration as shown to the plotter. If several pages or marker types are present, the next configuration is shown. After plotting, the plotter waits until you click on the button again.
- Click on "Skip" if the configuration shown is not to be printed.
 If the project contains further pages or marker types, the next configuration is shown; otherwise the printing process is terminated.
- Click on "Cancel" to terminate the entire printing process.

Adjusting the pen priming position

The default pen priming position of the plotter is set to two blocks next to the pen holder, which, accordingly, become dirty quickly.

To adjust the pen priming position, select **Tools > Options...**

The pen priming position of the plotter can be set on the "Test pen" page.

Options							X
 Environment Plotter General MarkerCard Fixture PLOTPLT Fixture Pen Priming 	Set Prime Position O Don't Prime Pen O Plotter Default Position Individual Position (MarkerCards only) / Plotter Default Position for Labels						
	Line <u>1</u>	X1:	0	mm	Y1:	0	mm
		X2:	0,001	mm	Y2:	0,001	mm
	Line <u>2</u>	X1:	0	mm	Y1:	0	mm
		X2:	0,001	mm	Y2:	0,001	mm
	Line 3	X1:	0	mm	Y1:	0	mm
		X2:	0,001	mm	Y2:	0,001	mm

The adjusted pen test position is only valid for MarkerCards. The default plotter position is still used for labels.

The adjusted pen priming position takes into account the "Offset X" and "Offset Y" parameters of the MarkerCard.



Please note that an incorrectly selected pen priming position may result in damage to the pen. Always test your settings without a pen first!

Mapping a plotter to a marker type

A printer or a plotter must be mapped to every marker type.

If no printer has been mapped to any or all of the marker types to be printed, confirming the message that appears sends the data to the default printer.

- Open the print dialog by selecting File > Print...
- In the lower selection box, select the marker type to which you want to map a printer, select a printer under "Printer" and click on Map to confirm your input.

The selected printer is automatically assigned to this marker type whenever it is printed.

• In the window that now opens, choose whether you want to assign the selected printer/plotter as a printer or as a plotter.

Map Printer	×
O As Printer	ОК
As X-Y Plotter (149 ▼	Cancel

If you select "as X-Y Plotter ...", printing is subjected to the limitations of plot mode.

You can revoke this definition at any time via the options dialog (see section "<u>Adjusting</u> <u>mapped printers</u>").

If you select a marker type to which a plotter cannot be assigned, a warning appears.

	×
The specified marker type cannot be printed by a plotter because no information is available in the config file.	
<u>D</u> K	

Adjusting the marker type to the plotter

• In order to adjust a mapped plotter to the marker type, click on the **Calibration** button.

Print Project (New Project	t)			×
Printer Generic / Text Only Map printer for 1492-MW14X				Settings
Copies Num <u>b</u> er of Copies:	1 💌	Duplicate Markers Number of Duplicates:	1 💌	Calibration

In the window that appears you can choose whether you want to adjust the marker type (see "<u>Adjusting the printer to the marker type</u>") or calibrate the zero points of the plotter.

Options		×
	Adjust Marker Type	
	Zero Points	

Setting the zero points

The following window appears:

(The appearance of the image depends on the marker type.)

Options	
Fixture	
Preview	
	•
Plotter:	
Pen: No Pen 👻 val	ase change the x and y ue until the zero point of frame is reached.
<u>Х</u> : 1370 🔶 <u>Ү</u> : 11695 🚔	frame is reached.
Plot Zero Point	
OK Cancel	

- Select the pen you want to use for plotting (see "<u>Selecting the pen and inlay</u>").
- To calibrate the zero point, enter the coordinates in the X and/or Y fields and then click on "Print zero point".
- For a fine adjustment, click in the X and/or Y boxes and move the zero point using the and keys (for X coordinates) and/or the and keys (for Y coordinates).

These settings can also be preset in the options dialog (see "Calibration dialog").

Adjusting mapped printers

Select Tools > Options...

You will find the current mapping of printers on the "General" page of the plotter.

Options			×
 Environment Plotter General MarkerCard Fixture PLOTPLT Fixture Pen Priming 	General ✓ <u>S</u> tart in Plot Mode ◎ Al <u>w</u> ays ○ If <u>l</u> ast mode was Plot N	Mode	
	Device	Mapping Mode	
	Acrobat Distiller	Ask User	
	Generic / Text Only	Ask User	
	USB Plotter	Ask User	

You can choose from three mapping modes:

1. As printer

The device is always assigned as a printer when "Map" is selected in the print dialog.

2. As plotter

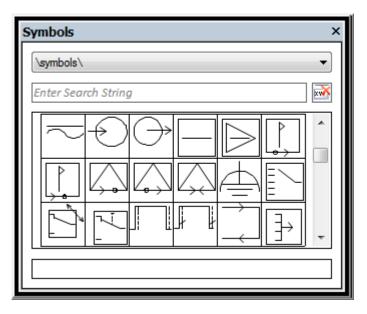
The device is always assigned as a plotter when "Map" is selected in the printer dialog.

3. Ask user

The "Map printer" dialog appears whenever this device is assigned.

Symbol Explorer/Plotter Symbol Editor

Plotter symbols (*.mps) and a selection box for symbol subdirectories have been added to the Symbol Explorer.



You can find more information about the Symbol Explorer in the chapter "General operation", section "Inserting symbols".

Editing/creating plotter symbols

Creating a new plotter symbol

• In the Symbol Explorer, right-click on an empty symbol field and then select **Plotter Symbol Editor...**

Editing a plotter symbol

• Right-click on a plotter symbol and then select Edit with Plotter Symbol Editor...

Calibration dialog

There are three different fixtures that can be used with the plotter, depending on the marker type selected.

The settings for these fixtures can be made in the calibration dialog (zero point, pen, etc.).

 Select Tools > Options... The options dialog opens.

The calibration instructions can be found in the "printersetup.pdf" file included.

MarkerCard fixture

• In the options dialog, select "MarkerCard Fixture".

Options	
 Environment Plotter General MarkerCard Fixture PLOTPLT Fixture Pen Priming I 	Preview ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
	OK Cancel

PLOTPLTA/PLOTPLTB fixture

• In the options dialog, select "PLOTPLTA/PLOTPLTB Fixture".

Options	
 Environment Plotter General MarkerCard Fixture PLOTPLT Fixture Pen Priming 	Preview Image: state sta
	OK Cancel

Network Version

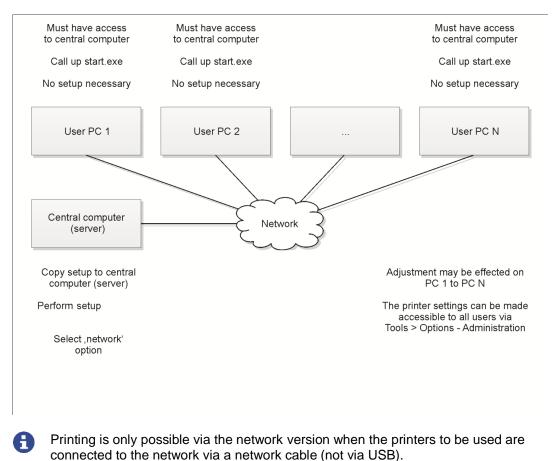
Introduction

8

Installation should be carried out by a specialist. Administrator rights are required for this process.

The network version of ClearTools[™] is used when multiple users need to work with the software in a network. Instead of installing ClearTools[™] on each of their computers, here it is only necessary to install the software centrally (Setup.exe on a server or central PC). The client PCs (or users) access ClearTools[™] via shared network paths.

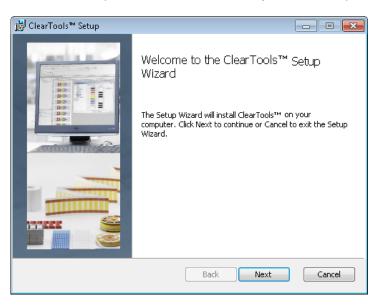
Example scenario:



Setup

• Run the Setup program.

The installation process starts automatically and the setup wizard opens.



• Click the **Next** button.

🛃 ClearTools™ Setup	- • ×
End-User License Agreement Please read the following license agreement carefully	Rockwell Automation
ROCKWELL AUTOMATION SOFTWARE LICENSE AGREEME	INT
IMPORTANT: THIS SOFTWARE END USER LICENSE AG ("EULA") IS A LEGAL AGREEMENT BETWEEN YOU (E INDIVIDUAL OR, IF PURCHASED OR OTHERWISE ACC OR FOR AN ENTITY, AN ENTITY) AND Rockwell Automation. READ IT CAREFULLY BEFORE COMPLET INSTALLATION PROCESS AND USING THE SOFTWARE. PROVIDES A LICENSE TO USE THE SOFTWARE AND C	TITHER AN QUIRED BY TING THE IT
Print Back Next	Cancel

- Accept the terms in the license agreement and press the **Next** button.
- Choose the setup type in the next window:

je ClearTools™ Setup	- • •
Choose Setup Type Choose the setup type that best suits your needs	Rockwell Automation
Typical Installs the most common program features. Recommended for	r most users.
Custom Allows users to choose which program features will be installed they will be installed. Recommended for advanced users.	and where
Complete All program features will be installed. Requires the most disk sp	oace.
Network Lets you select the program options to be installed. Installs the network drive so that it is available to multiple users.	e program on a
Back Next	Cancel

• Press the **Network** button.

👸 ClearTools™ Setup	- • -
Custom Setup Select the way you want features to be installed.	Rockwell Automation
Click the icons in the tree below to change the way features will be ins	talled.
ClearTools™ ClearTools™	
This feature requinant drive.	ires 97MB on your
Location: C:\Program Files (x86)\Rockwell Automation\ClearTools,\	Browse
Reset Disk Usage Back Ne:	xt Cancel

You can check how much storage space is free on the available drives with the **Disk Usage** button.

- Click the **Browse...** button.
- Select the target directory, for example C:\software\.

• The users of the client computers must be able to access the target directory in both read and write mode.

• Click the **Next** button.

😸 ClearTools™ Setup		- • •
Storage Locations	cations for installation of the components.	Rockwell Automation
Click on the Browse b	outton to select the destination directory.	
File Open/Save:	C:\ProgramData\Rockwell Automation\ClearTe	ools\data\ 🛛 🛄
Catalog:	C:\ProgramData\Rockwell Automation\ClearTi \shared\configs\	ools
Symbols:	C:\ProgramData\Rockwell Automation\ClearTi \shared\symbols\	ools
Images:	C:\ProgramData\Rockwell Automation\ClearTi \images\	ools
Import:	C:\ProgramData\Rockwell Automation\ClearTi \shared\filter\	ools
Scripts:	C:\ProgramData\Rockwell Automation\ClearTi \shared\scripts\	ools
	Back	Cancel

- For individual components such as the catalog you can use the ... button to choose other directories (for example the catalog in C:\data\catalog).
- The target directories must be on a local drive of the server (network drives and UNC paths such as \\ServerName\ShareName\Path are not allowed).

All folders listed above must be accessible to users of the client computers over the network. Write rights are essential for some of the folders (see section "Sharing folders").

• Click the **Next** button.

😸 ClearTools™ Setup	- • •
Ready to install ClearTools™	Rockwell Automation
Click Install to begin the installation. Click Back to review or change any installation settings. Click Cancel to exit the wizard.	
BackInstal	Cancel

• Click the **Install** button.

Microsoft Windows® User Account Control (UAC) might appear.

• If so, confirm here that changes are allowed to be made to Windows.

After your confirmation, the target directories are created and the files are copied to or created in them.

👑 ClearTools™ Setup	
Installing ClearTools™	Rockwell Automation
Please wait while the Setup Wizard installs ClearTools™ .	
Status:	
Back Next	Cancel

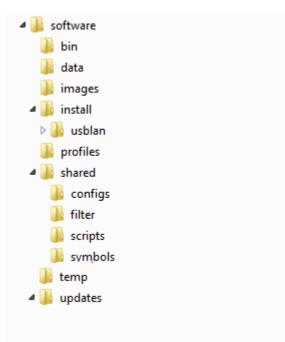
The progress is indicated by a bar.

😸 ClearTools™ Setup	
	Completed the ClearTools™Setup Wizard Click the Finish button to exit the Setup Wizard.
	Back Finish Cancel

• When installation has been completed, press the **Finish** button.

Sharing folders

ClearTools[™] uses the following folders; the folder structure depends on what was specified in the setup process:



Folder	Content	Write rights required
bin	This folder contains executable files.	-
data	Standard directory in which users should store their ClearTools™ files.	x
images	This folder contains ClearTools [™] images. This folder is accessed when users choose images in ClearTools [™] via Insert > Image.	
install	The printer control software is stored in this folder during installation.	
usblan	This folder contains the printer control software to support USB communication.	
profiles	This folder contains user profiles (for example user-specific settings defined via Tools > Options, printer mappings etc.). ClearTools [™] reads settings in this folder and writes them here.	x
shared	This folder and its subfolders contain the ClearTools™ program files.	x
configs	This folder contains the product catalog.	Х
filter	This folder contains filter files that are needed for the import function (File > Import).	Х
scripts	This folder contains import scripts.	Х
symbols	This folder contains program symbols (for example for protective grounding) that can be inserted in ClearTools™.	х
temp	ClearTools™ stores temporary files in this folder.	Х
updates	The update routine stores data in this folder.	Х

The meaning of the folders is as follows:

Tasks to be done on the clients

Setting up client computers

No further setup is required on the clients.

By default users must launch the "start.exe" file from the 'bin' folder. The actual storage location of the "start.exe" file depends on what was specified during setup (directories). The dialog provides the necessary functions:

No Windows administrator rights are needed for these functions.

🥹 ClearTools™ Start Screen	X	
Allen-Bradley • Rockwell Softwa	<i>Rockwell</i> <i>Automation</i>	
Please choose an option		
Open ClearTools™	Create Desktop Link	
Create Startmenu Links	Associate Files with ClearTools™	
	Close	
Copyright © Rockwell Automation, Inc. All rights reserved.		

The window has the following buttons:

Open ClearTools™...

Clicking this button starts the ClearTools[™] program.

Create Desktop Link

By clicking this button you can create a link to ClearTools™ on the desktop.

Create Start Menu Link

By clicking this button you can add ClearTools™ to the Start menu.

Associate Files with ClearTools™

By clicking this button you can associate files with ClearTools[™] so that they are opened directly with ClearTools[™] when they are double-clicked.

Close

You close the start screen with the Close button.

Transferring settings to clients

Current print settings for the network version can be provided to other users of the network version.

With the following function you can share these settings with the other client PCs automatically.

- Start the ClearTools[™] program.
- In ClearTools[™] choose Tools and then Options.

The following window appears:

Options	
 Environment General View Startup Options Extensions Directories Administration Menu Administration Color Coding Fields Offsets 	Share Print Settings Click on 'Share Print Settings' to share your current print settings with other users of this computer: - Set Printer Correction - Set Material-dependent Slip - Printer/Plotter Calibration However, the users can decide whether they want to accept them or not. Share Print Settings Old Password: New Password: Confirm new Password:
	OK Cancel Apply Help

• Click the Share Print Settings button.

The next time the users start up their PCs they are notified of the settings that have been made and can decide whether they want to adopt them or not.

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Rockwell Automation Support

Technical Support Center	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	https://rockwellautomation.custhelp.com/
Local Technical Support Phone Numbers	Locate the phone number for your country.	http://www.rockwellautomation.com/global/support/get-support- now.page
Direct Dial Codes	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	http://www.rockwellautomation.com/global/support/direct-dial.page
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	http://www.rockwellautomation.com/global/literature-library/ overview.page
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	http://www.rockwellautomation.com/global/support/pcdc.page

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