



PROJECT complete

Marking software

PROJECT complete

Marking made easy

Intuitive configuration, intelligent functions, and a customizable user interface: the PROJECT complete software is currently the most innovative solution for straightforward creation of the corresponding markings.



Video

Planning and marking software
PROJECT complete



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COMPLETE line

The new standard for
the control cabinet.
More information on
pages 46 to 49.



Intelligent functions like
the ready-to-use material
descriptions automate many
planning steps and ensure
significant time savings.

Simply Easy

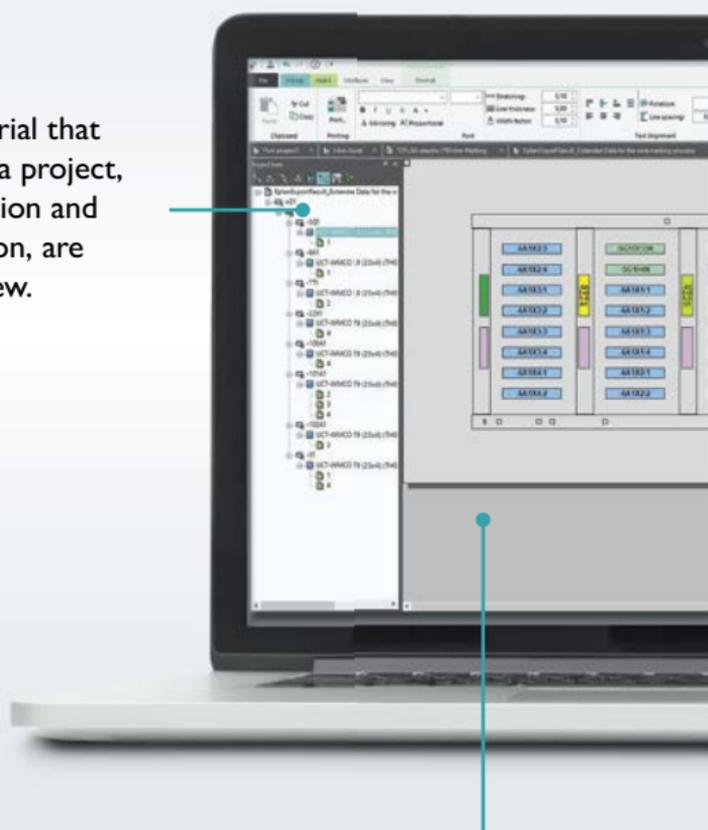
PROJECT complete marking is
suitable for all Phoenix Contact
marking systems. The integrated
template designer allows the
user to change label layout and
create custom labels designs
easily.

Interface overview

The user interface of PROJECT complete marking is based on dynamic ribbon technology, which gives the user a familiar feel to the layout of the application. Functions are grouped into different tabs and depend on the application.

Project tree

The marking material that is associated with a project, including the function and location information, are listed in an overview.



Marking Editor

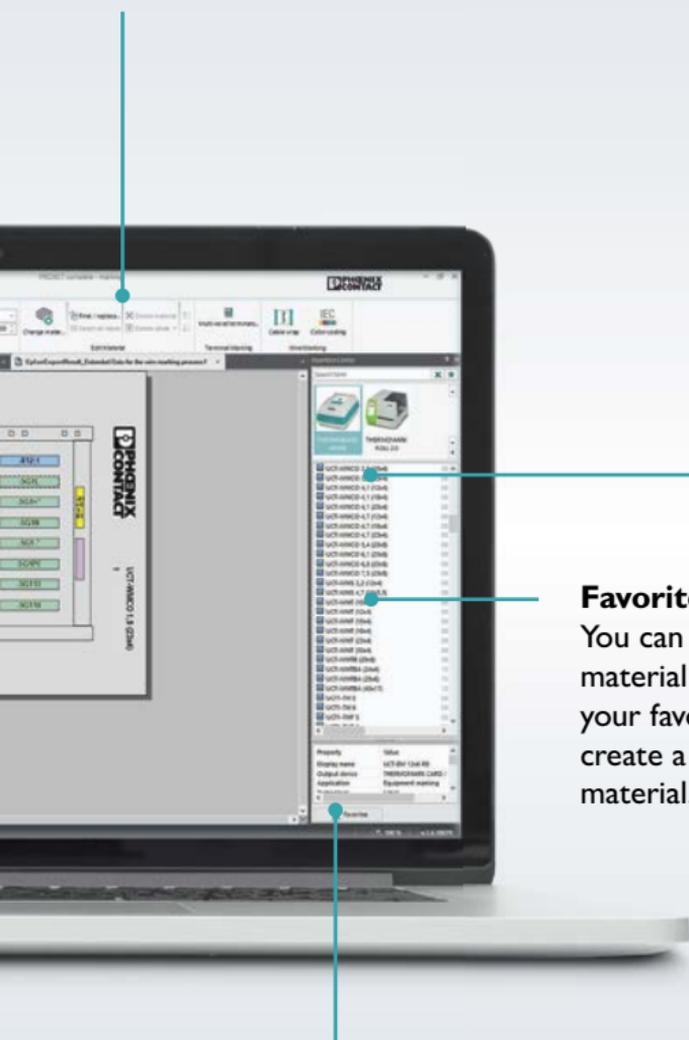
Working area where the marking material is visible in real and the marking information can be entered manually.

Tabs

The dynamic task bar contains a summary of the functions in tabs. Certain functions only show up in their own tabs in the task bar when they are needed.

Insertion Center

Products can be found by entering the order number or name of material. The live search suggests material descriptions during the input process.



Favorites

You can add regularly used material descriptions to your favorites list and create a short cut to the material.

Product information

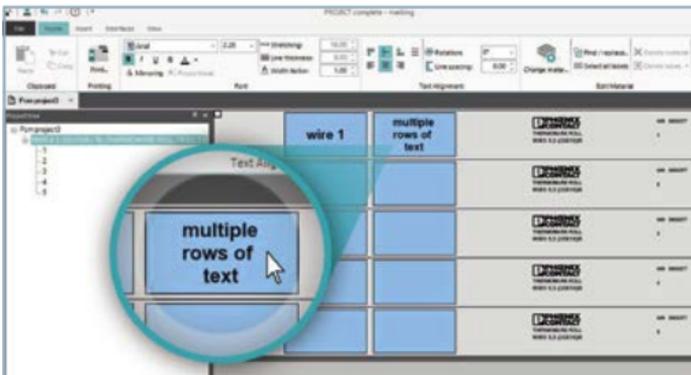
General data on the material is displayed here.

Inputting data

The material is ready to use now and you can manually enter your information on the selected material.



- Click on the marker to enter data.



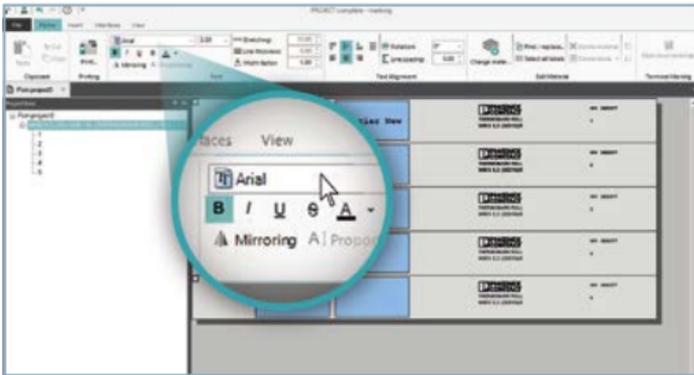
- To enter multiple lines of text on a marker, hold Alt + Enter or use the down arrow on the key pad.
- By hitting Enter or Tab, you will be moved to the next row of markers.

Text editing

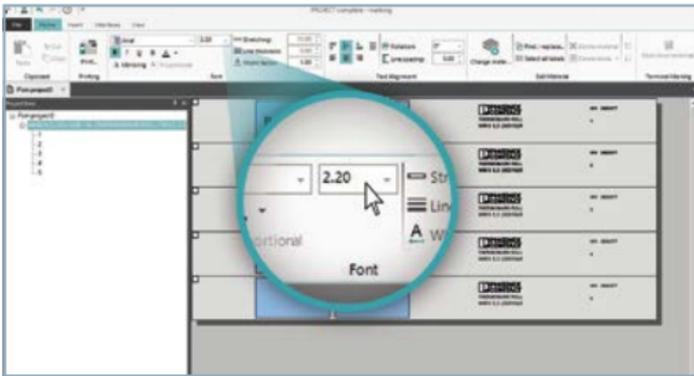
PROJECT complete marking provides a fully integrated text editor to adjust the font settings.



- Click “Home” tab (you must highlight the marker before changing font)



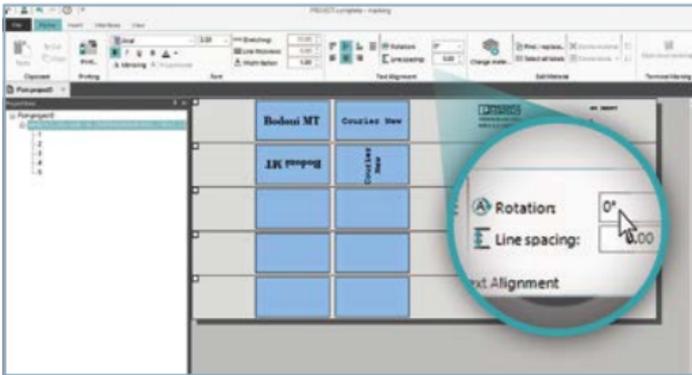
- Choose font type. Arial is the default.



- Set font size if needed.



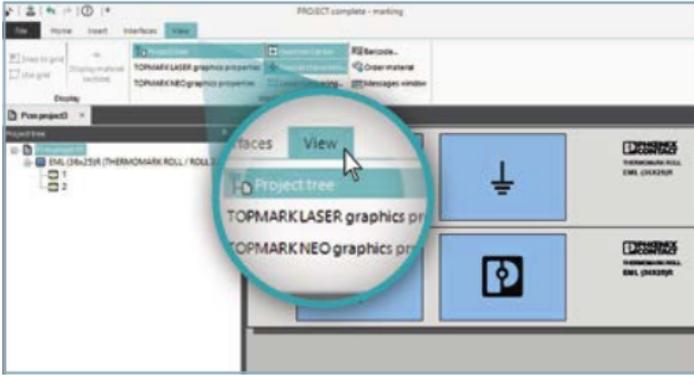
- Set font alignment.



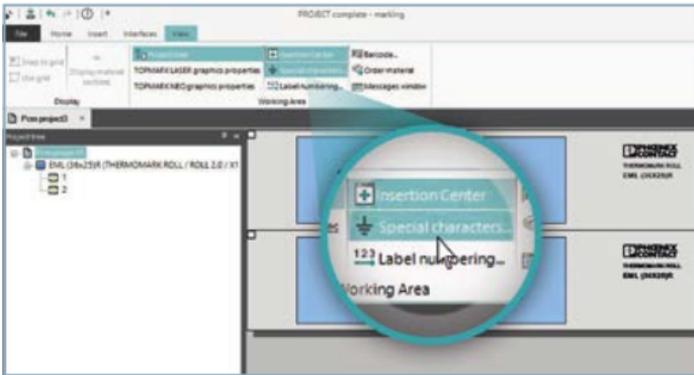
- Text rotation

Special characters

The working area: special characters offers a large range of characters and symbols for different applications.

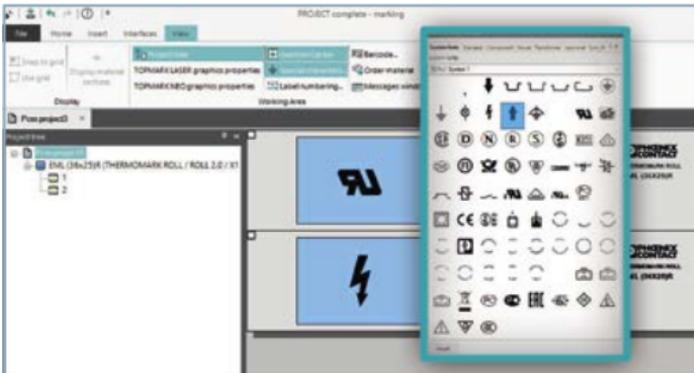


- Click on “View”.

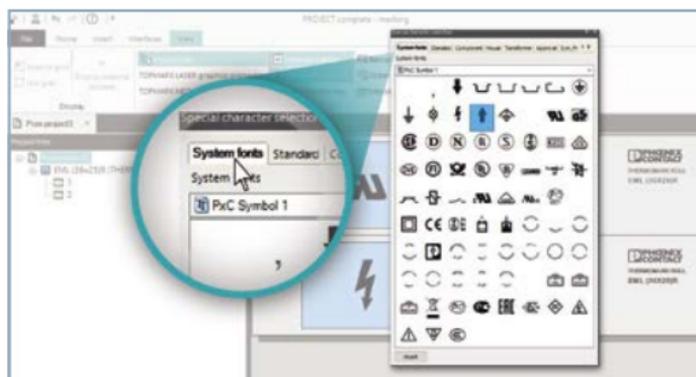


- Click “Special characters”.

Working area: special characters



- “Special characters”



- Choose symbols from categories by selecting the tab along the top of the window.



- The drop-down menu opens up other choices under system fonts only. All others have just one type.
- Select the desired symbol.



- Click “Insert”, double click, or drag and drop onto marker.

Automatic sequencing

Offers the possibility to create labels based on numeric and alphanumeric sequences.



- Click “View”.

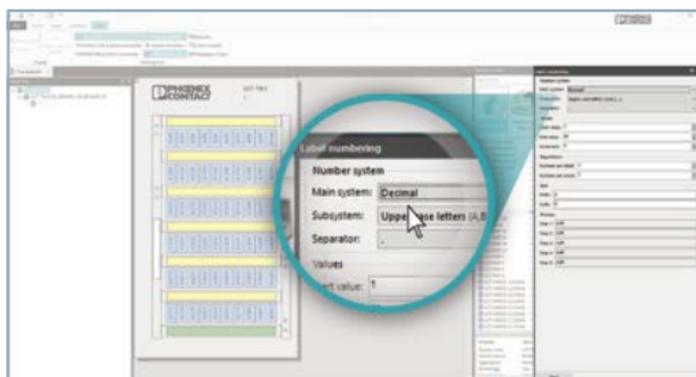


- Click on “Label numbering”.

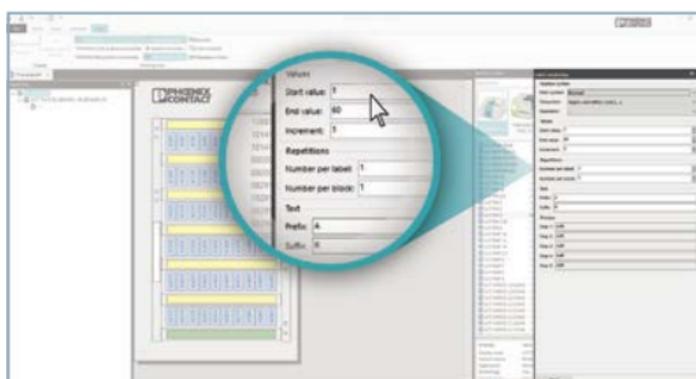
Working area: Label numbering



- Label numbering



- Choose between numbers or letters.

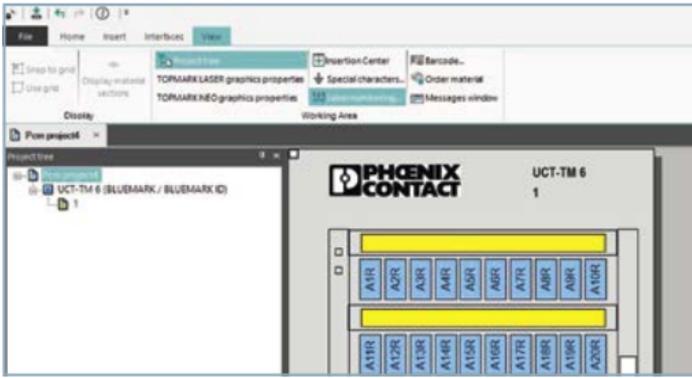


- Select the start value, end value, and increment.
- Enter any alphanumeric prefixes if needed.



- Click "Start".

Label numbering example



Font settings example



- Font style and size
- Text rotation

Special characters and label numbering examples

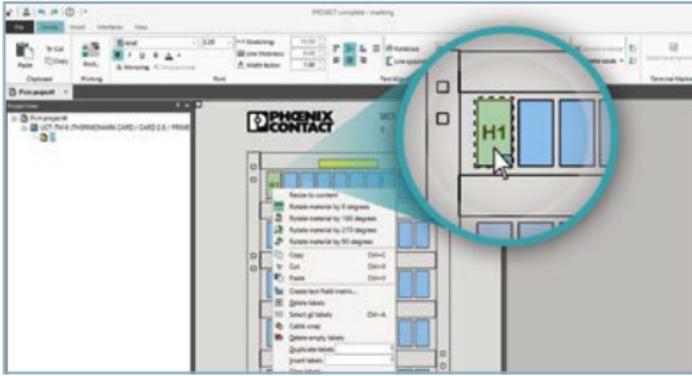


- Symbol
- Enumeration with the prefix A- and postfix -T3.

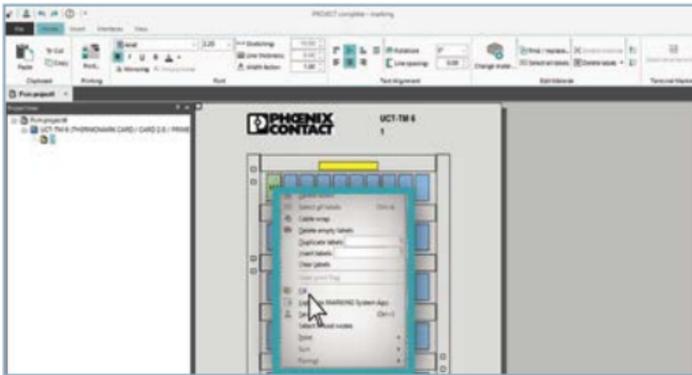
Autofill function

This fills the remaining markers with the same content

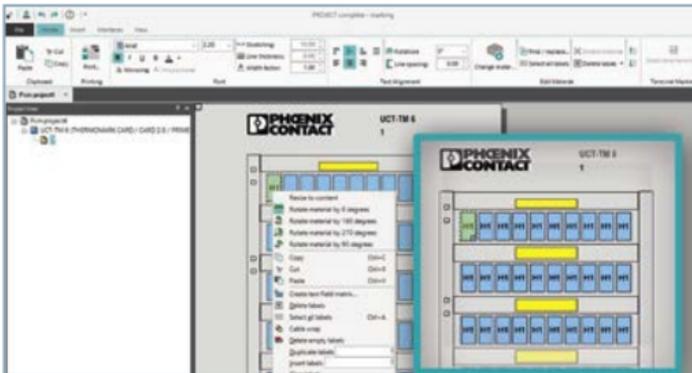
- Only available for labels with multiple rows of markers



- Enter data into the first marker.



- Right click on the first marker and select "Fill".



- The remaining markers are filled with that data.

Automatic wire marking function

Create 360° visibility, ideal for wire marking.



- Enter the data on the wire marker.
- Make sure the marker is selected as indicated by the green highlight.



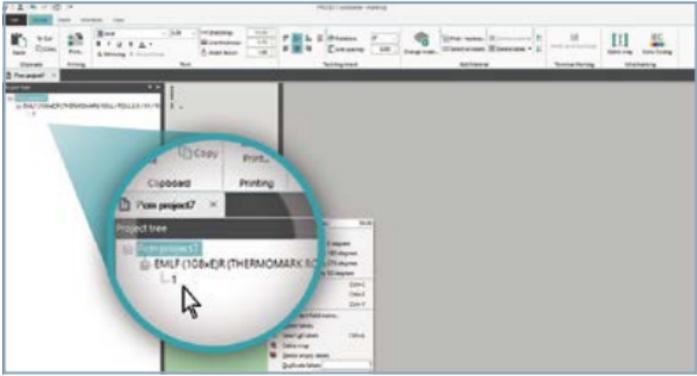
- Select “Cable wrap” under the Home tab.



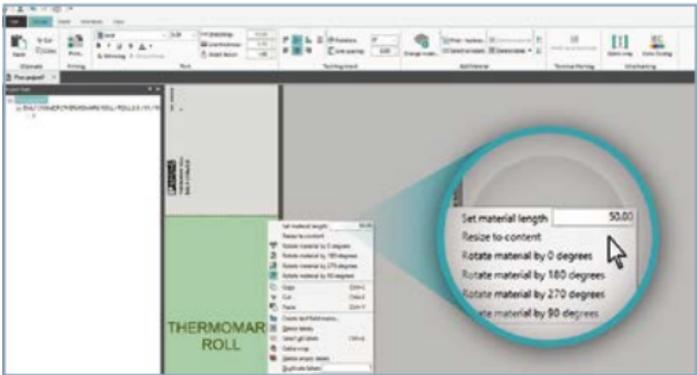
- Data is then automatically repeated in as many rows possible to ensure visibility in all directions.
(Font must be small enough for multiple rows)

Setting the length of endless material

Unit of measurement is metric by default.
Change the unit of measure in options.



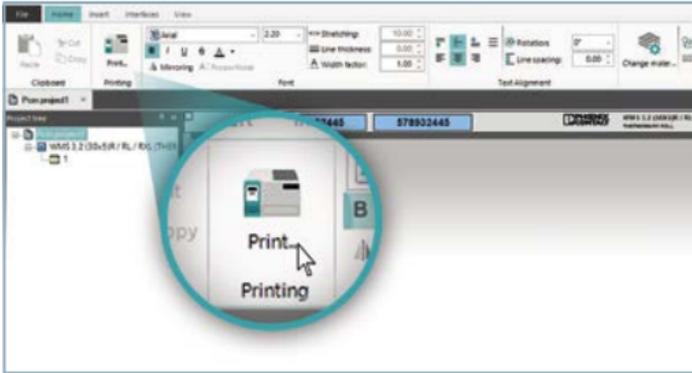
- Select an endless material.
(designated with an “E” in the parentheses)



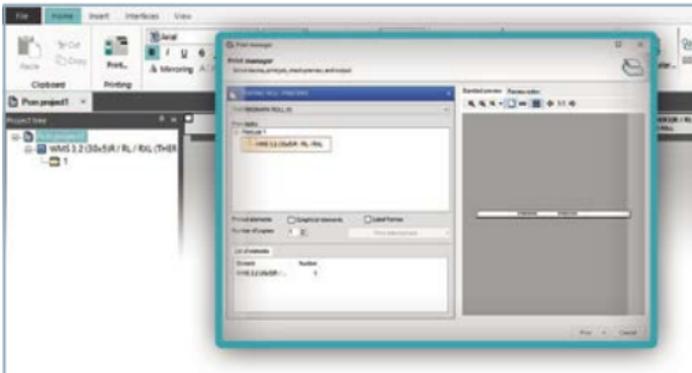
- Right click on the marker and under “Set material length” type in the desired length. Hit enter to apply.

Printing

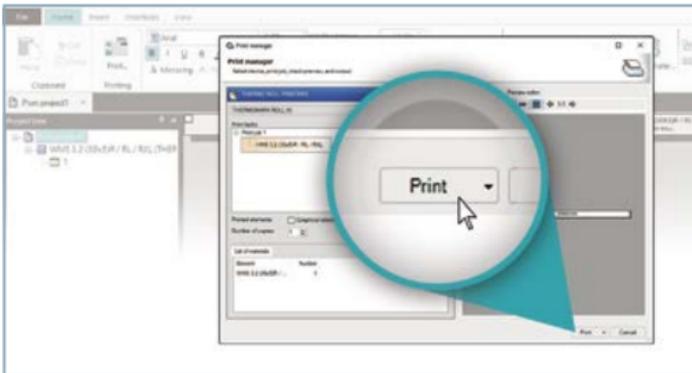
After finishing the data input start the printing process.



- Click on Print.



- Print manager



- Click "Print" in print manager.

Importing data from Excel

Data can be created in Microsoft Excel (or another source) and imported into PROJECT complete. This requires an initial configuration of the data exchange manager.

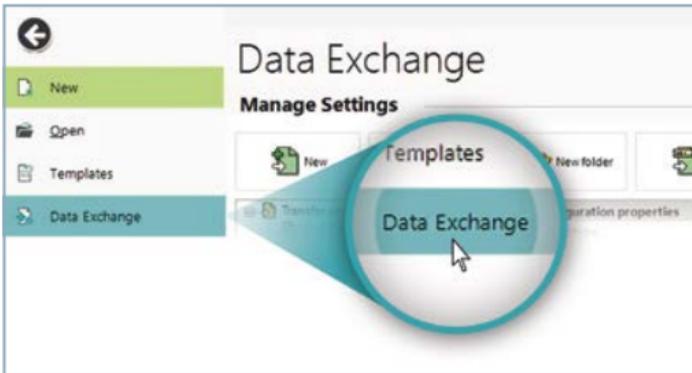


- It is possible to import from more than one column.

Start the data exchange manager

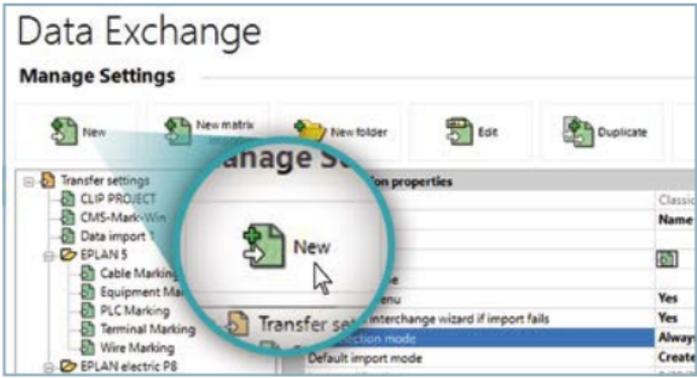


- Click “File”.

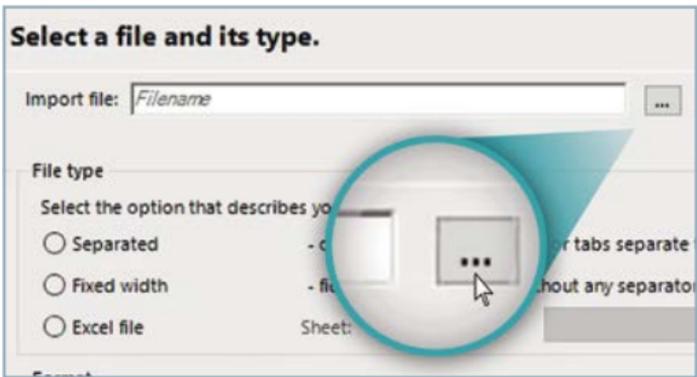


- Click “Data Exchange”.

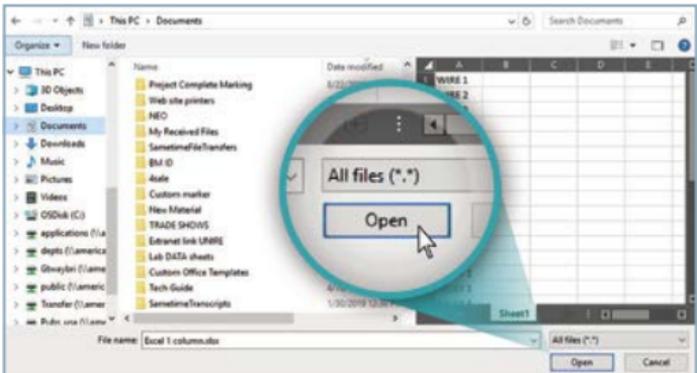
Create a new import configuration



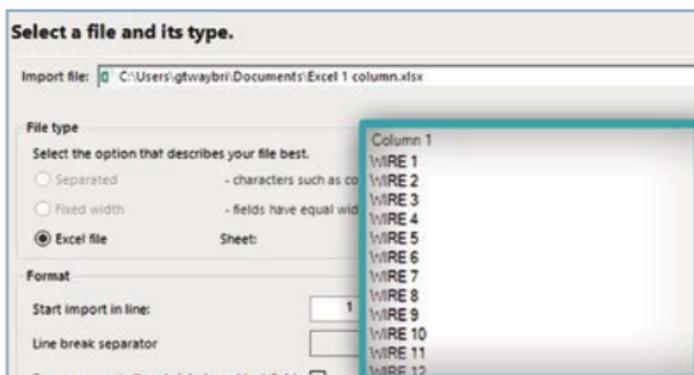
- Click “New”.



- Click the Browse button to find the Excel file.
(You may have to change to all files to find the Excel file)

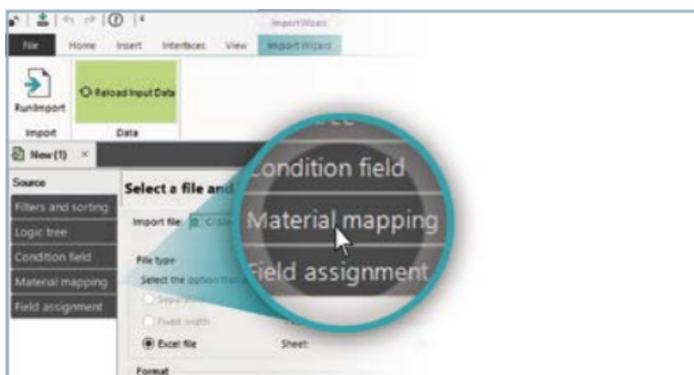


- Click “Open”.



- Preview the data.

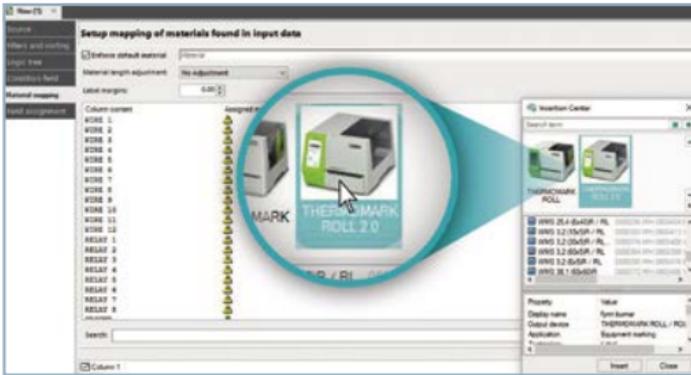
Define the needed marking material for the application



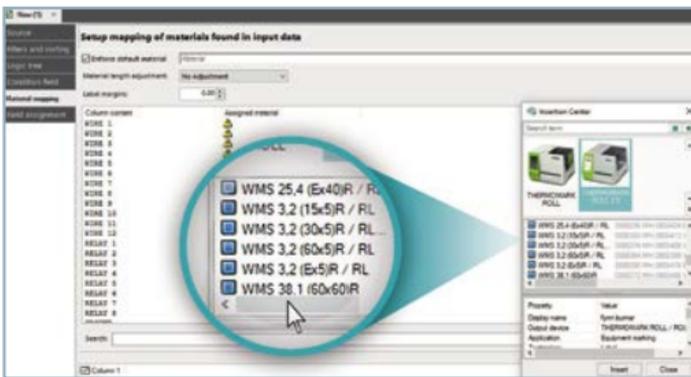
- Click “Material mapping”.



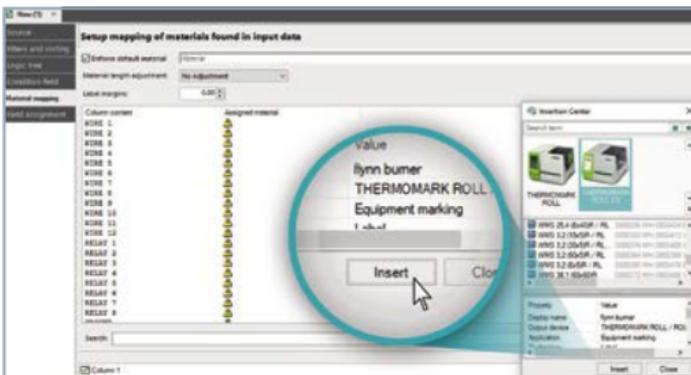
- Click “Enforce default material”.
The insertion center will automatically pop up.



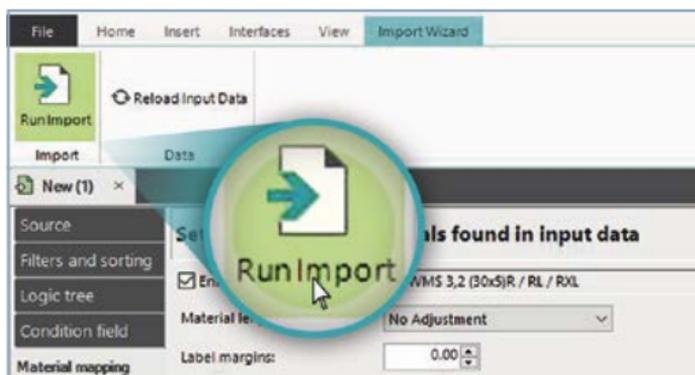
- Select your printer.



- Select the desired material.



- Click "Insert".



- Click “Run Import”.



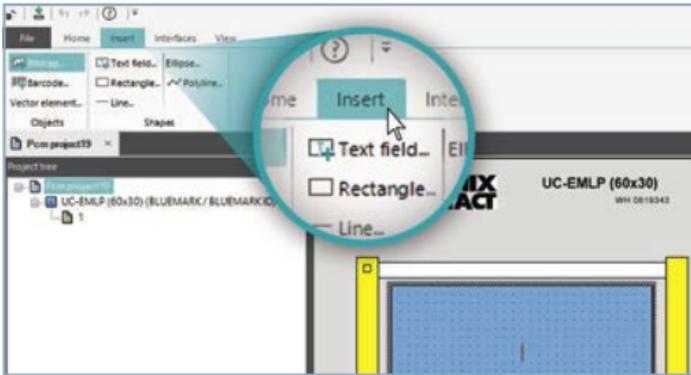
- The file has been imported and you are returned to the standard view.



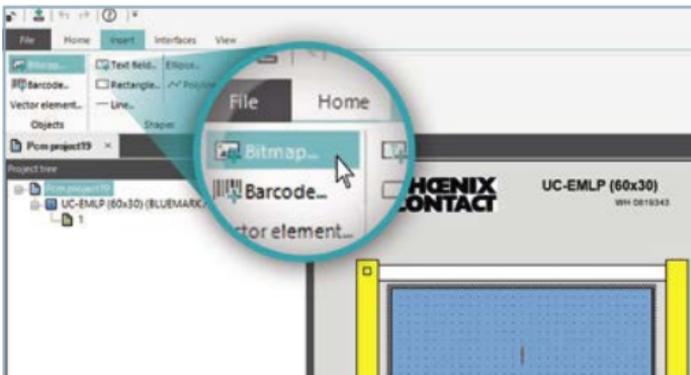
- You may make any changes as needed and print the project.

Inserting graphics

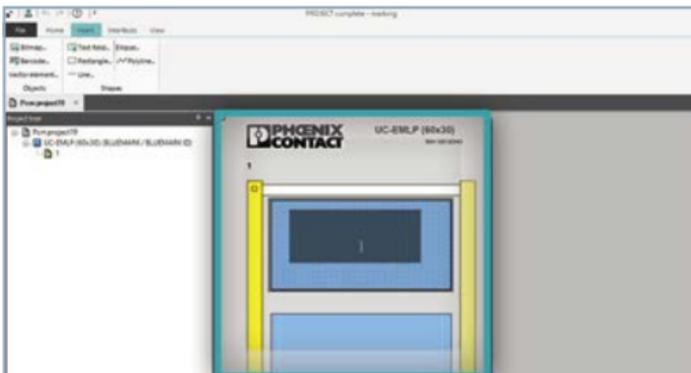
Project complete supports any image file (.jpg, .tif, .gif, .bmp, etc.).



- Select desired material and click “Insert” at top. Click on material.



- Click “Bitmap”.

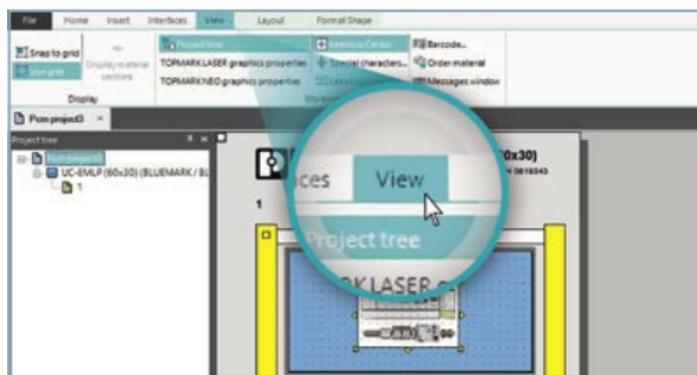


- Draw a box for estimated size of graphic.

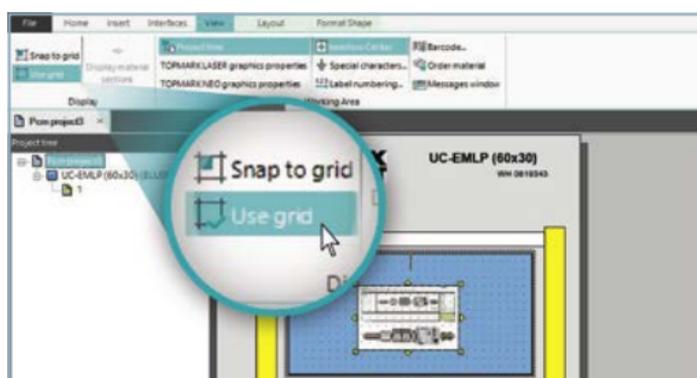
Re-sizing an positioning graphics

For specific requirements.

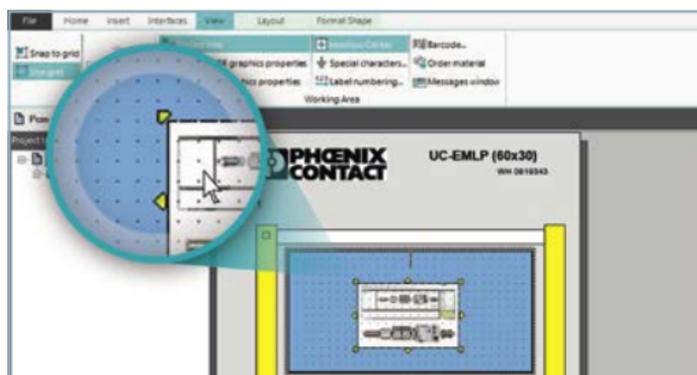
A grid helps visually lay out the graphic on the label.



- Need to be in “View”.
- Click in marker area to use the visual grid and snap to grid (graphic must be highlighted for this menu to be visible).

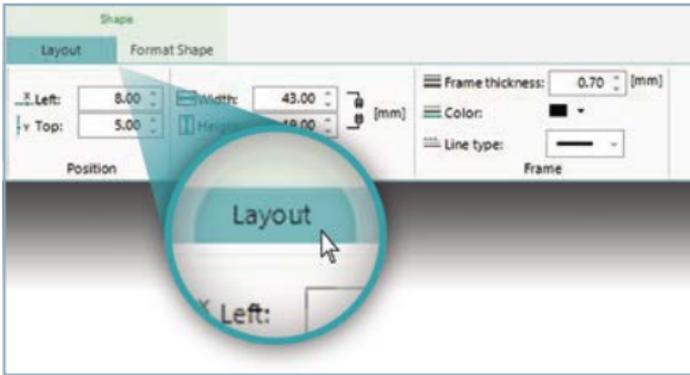


- Toggle “Use grid” and “Snap to grid” on or off, depending on preference.

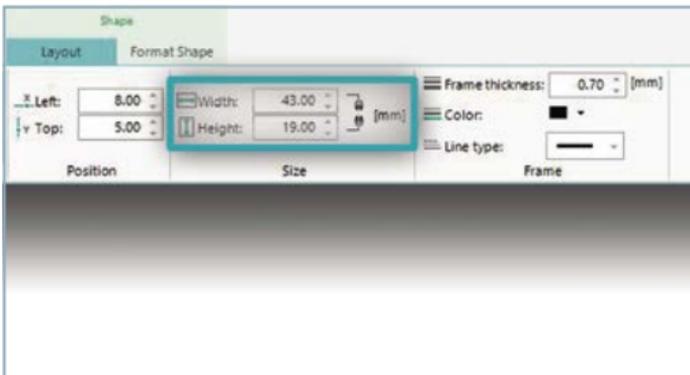


- “Use grid” and “Snap to grid” turned on.

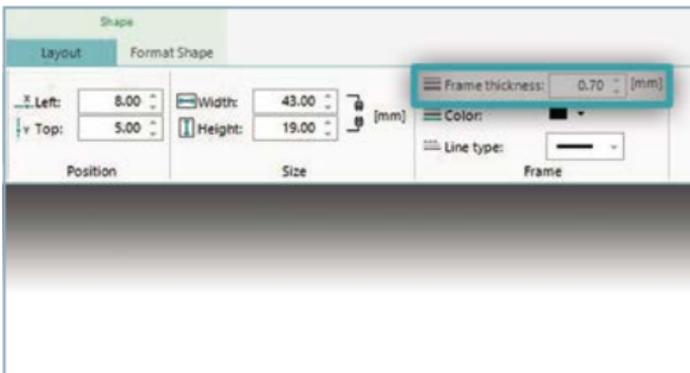
Layout tab



- Click “Layout” and input specific dimensions for width and height.



- To change the width and height independently, click the chain icon to break the link.



- The frame option outlines the graphic. Adjust the line thickness and choose line type from the dropdown.

Inserting barcodes

PROJECT complete marking offers a lot of different barcode types (Code 39/128/93, EAN 8/13/128, ISBN, DataMatrix, QR Code, etc.)

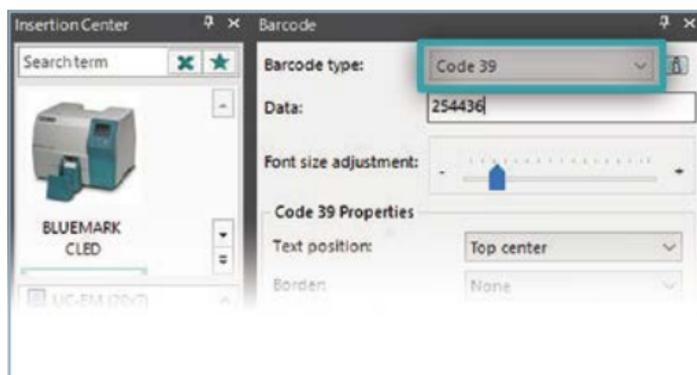


- Click to highlight the marker.



- Click "Insert" and select "Barcode".

Working area: barcode



- Use dropdown to choose barcode type.



- Use the mouse to draw a box where you want the barcode.



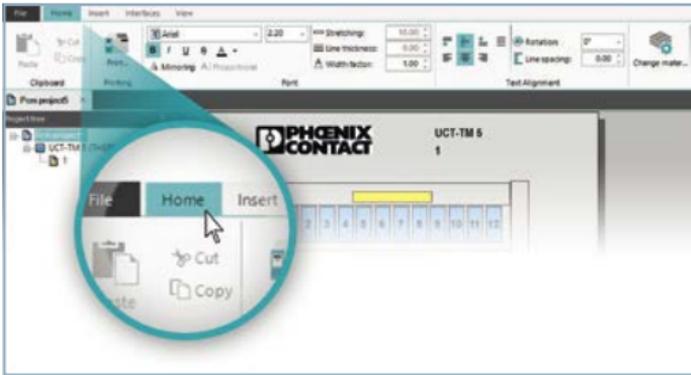
- Type in the information for the barcode into the white area and hit enter.



- Use the yellow grab points to resize barcode if needed.

Changing materials

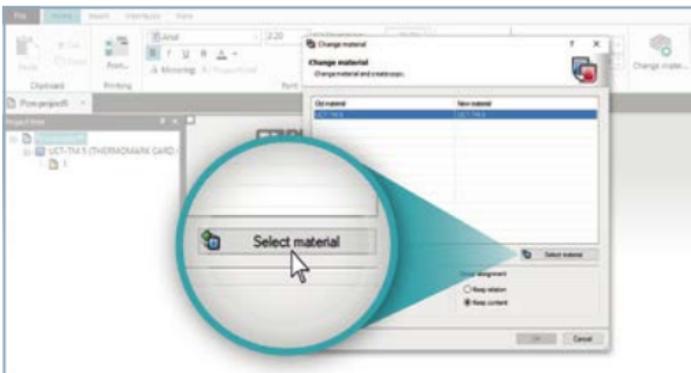
This wizard is helpful for changing the material type of an existing project.



- Click the “Home” tab.



- Click “Change material”.

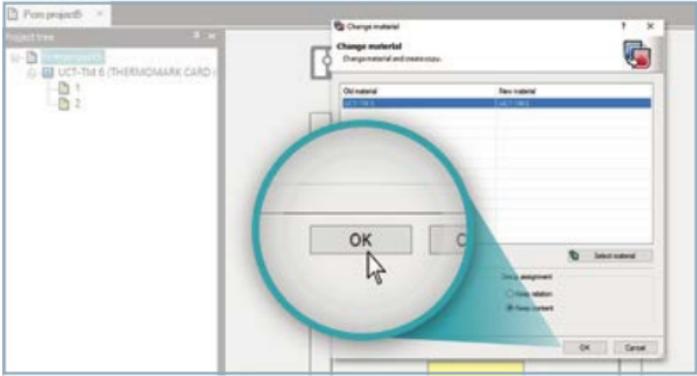


- Then click “Select material”.

You can change the material to any type regardless of material type or printer.



- Choose material and click “Insert”.



- Click “OK”.

Creating a template

PROJECT complete offers the template creation that is used to design custom labels on existing material.

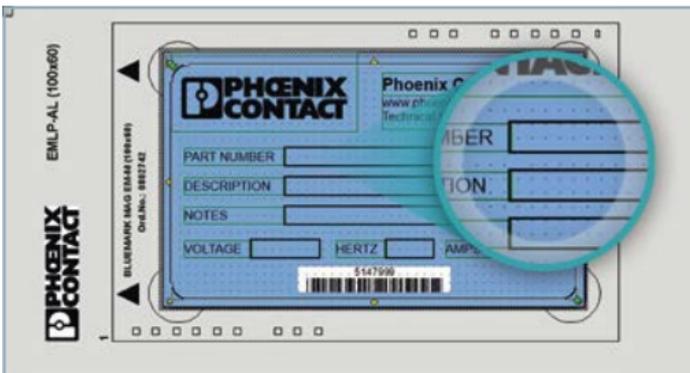


- Here is an example of a template for a machine type label.

Inserting text fields

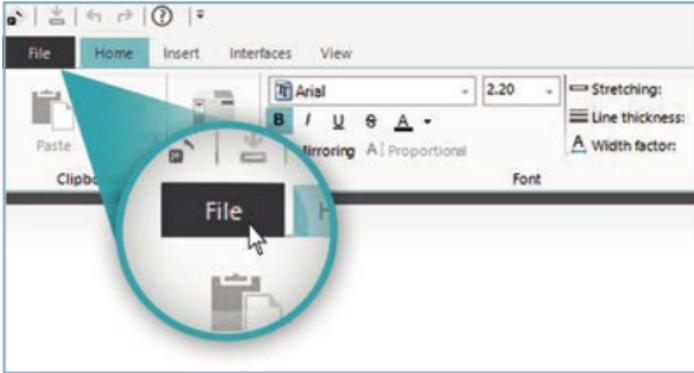


- Permanent text field: for text that you wish to remain constant. i.e same on every label, titles like Date/Part number etc.

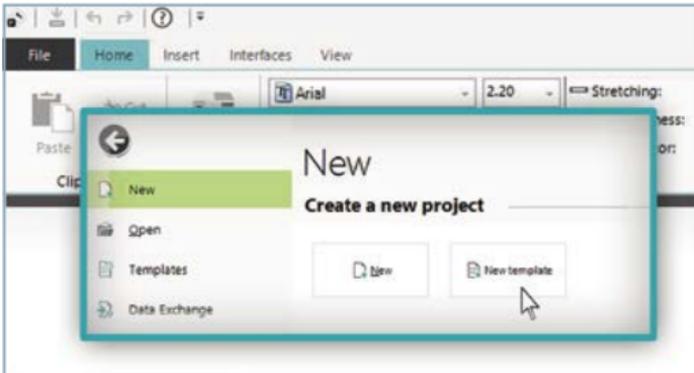


- Dynamic data input: where the data can be edited. e.g the actual date.

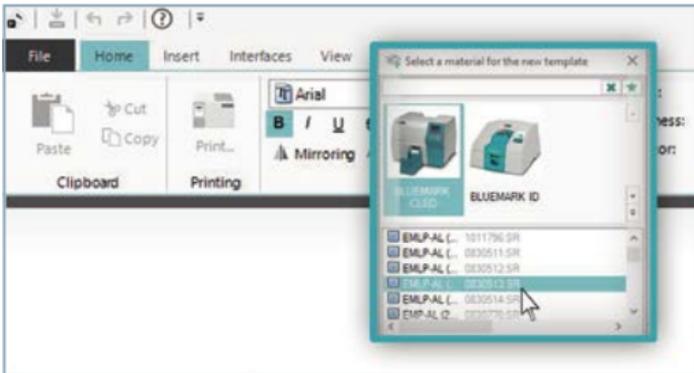
Starting a template



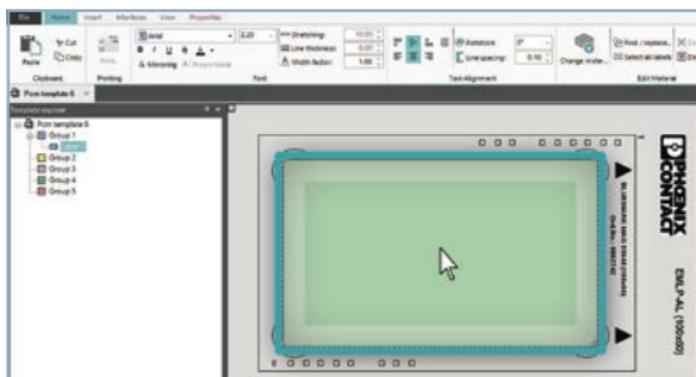
- Click “File”.



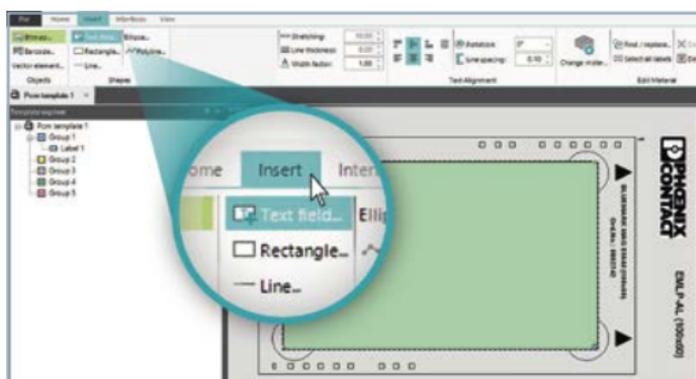
- Click “New” and “New template”.



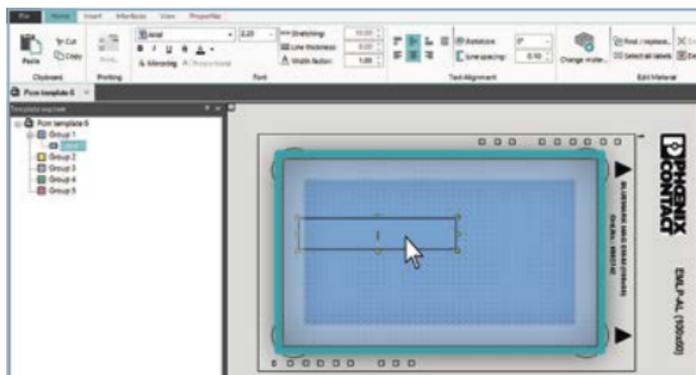
- Choose printer and material.



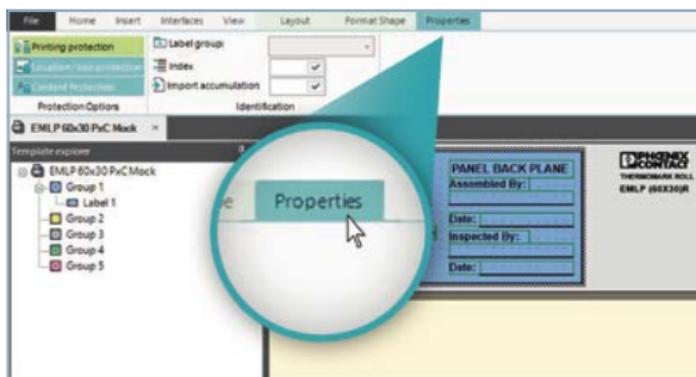
- Highlight template.
- Click “View tab” and choose “Snap to grid” and “Use grid”.



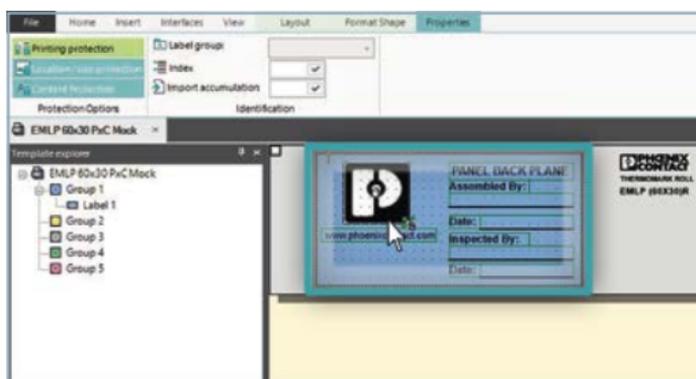
- Click “Insert” and select “Text field”.



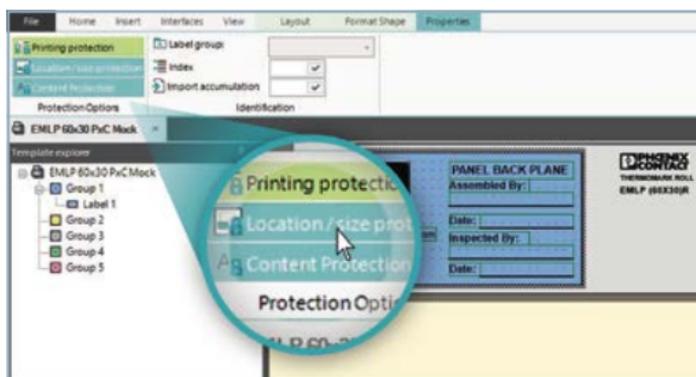
- Insert box the estimated size of text field (can be adjusted later).



- For indexing through text fields, you need to click on “Properties” to access the text field name and number.



- Click on the area to be protected.



- Click “Content Protection” and “Location Protection”. This locks the graphics and text fields so they cannot be changed.



- Click in the text field and give it a name (optional), hit enter. Give it a number in the index box and select the checkmark.



- Indexing example, 1, 2, 3

Saving the created template



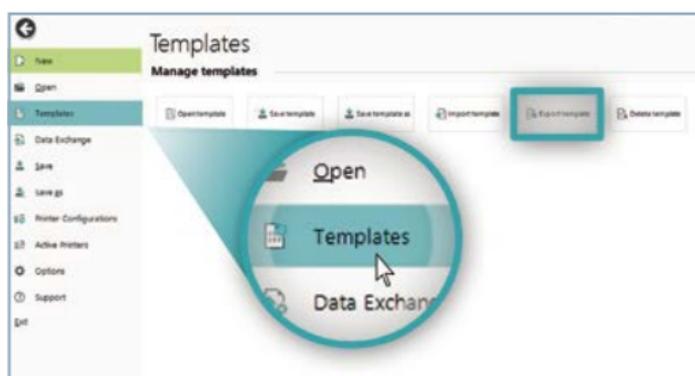
- Click “File”, then click “Save as”.



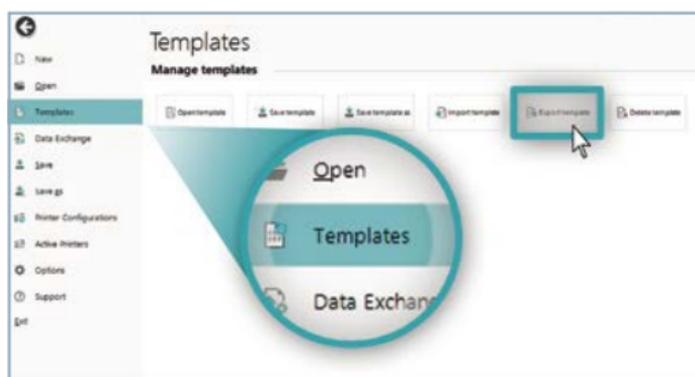
- Name the template and click “Save”.

Export template

Exporting the template allows you to save the template outside of the PROJECT complete library for saving to other computers.



- Click “File”, “Templates”, Export template.



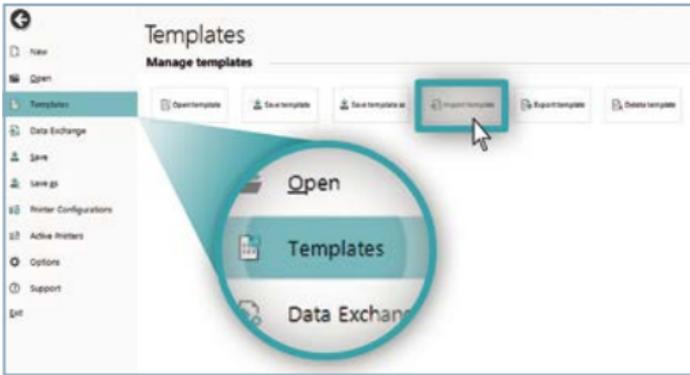
- Select the template to be exported.
- Click “Export template” and save file in desired location.



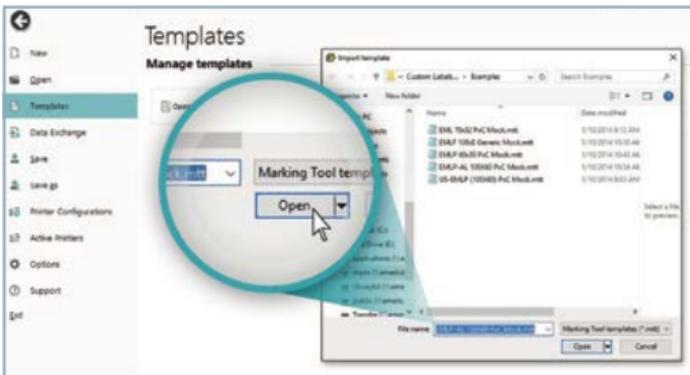
- Select the template to be exported and click “Export”.

Import template

Importing templates adds templates to the PROJECT complete library that were designed on another computer.



- Click “File”, “Templates” and select “Import template”.



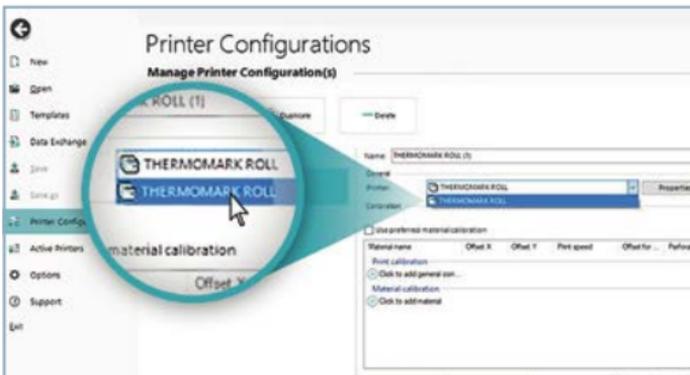
- Select previous exported template and open to view from new location.

Setting up a printer

Note: Make sure you have the printer driver installed before completing this step.



- Click “File”, “Printer configurations”, then click “New” and select printer.



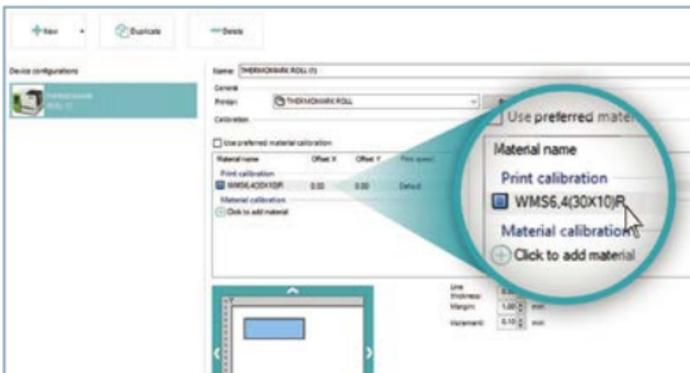
- Then click drop-down box and select the printer.
- Your printer is now set up as an output device to print.

Setting print alignment and speed

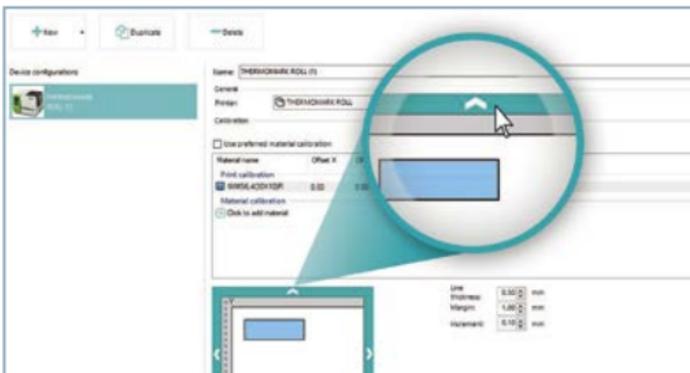
Note: Make sure you have the printer driver installed before completing this step.



- Click “File”, “Printer configurations”, choose the printer.



- In printer calibration choose the material that needs to be aligned. Double click under the “Offset X” or “Y” depending on how the alignment needs to be adjusted.

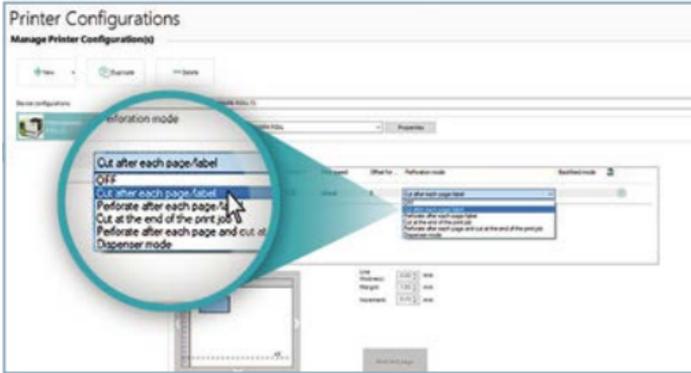


- Click up or down arrows to make adjustments.

Cutter options

For material that is on an endless roll.

Note: Make sure you have the printer driver installed before completing this step.



- In the printer configuration area, click “Print calibration”, choose the material and then double click the perforation mode to activate the drop down menu. Then select the option you require.

Perfect CAE integration

PROJECT complete marking comes equipped with optimized interfaces to all common CAE programs. With just a click of the mouse, the software imports the data from electrical plans and automatically creates the corresponding marking solutions.



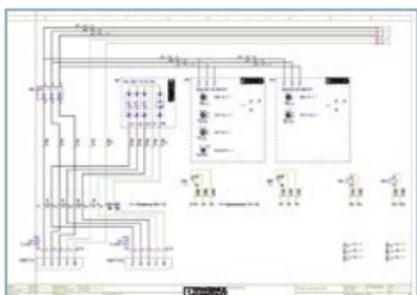
PROJECT complete planning has bidirectional interfaces to CAE programs

The bidirectional interface allows you to send terminal strips from CAE programs to PROJECT complete planning.

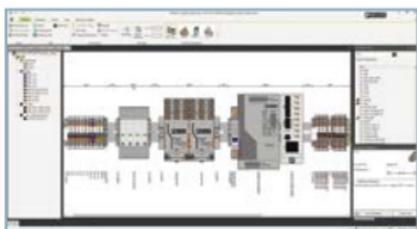
You can make the following changes to your terminal strips in PROJECT complete planning:

1. Replace terminals
2. Add accessories
3. Replace wire bridges with jumpers

After the terminal strips have been edited, the changes are exported to the CAE programs.



CAE program



PROJECT complete planning

COMPLETE line – The comprehensive solution for your control cabinet

COMPLETE line is a system comprising technologically leading and coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.





Your advantages in detail



Comprehensive product portfolio

With COMPLETE line, we offer a complete product portfolio of technologically leading products.



Intuitive handling

Thanks to the simple, intuitive handling of the coordinated hardware components, you will save time during installation, startup, and maintenance.



Save time throughout the entire engineering process

The PROJECT complete planning and marking software supports the entire process of control cabinet manufacturing.



Reduced logistics costs

Reduced variety of parts, thanks to standardized marking, bridging, and testing accessories.



Optimized processes in control cabinet manufacturing

COMPLETE line supports you, from engineering through to manufacturing, in designing your control cabinet production as efficient as possible.

COMPLETE line

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Discover the extensive COMPLETE line product portfolio and find out more about COMPLETE line and your comprehensive solutions for the control cabinet.

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Phoenix Contact is a global market leader based in Germany. We are known for producing future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. With a global network reaching across more than 100 countries with over 17,600 employees, we maintain close relationships with our customers, something we believe is essential for our common success.

Our wide variety of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. We focus on developing the fields of energy, infrastructure, process, and factory automation.

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