

What's New?

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M-Print® PRO

This document provides information about new features of the application compared to the previous version 9.14.



For more information about M-Print® PRO and how to use it, please refer to the "User Manual".
For more information about the LPC tool and how to use it, please refer to the " User Manual LPC Tool ".

Product Catalog – New Marker Types

We have expanded our marker portfolio as follows:

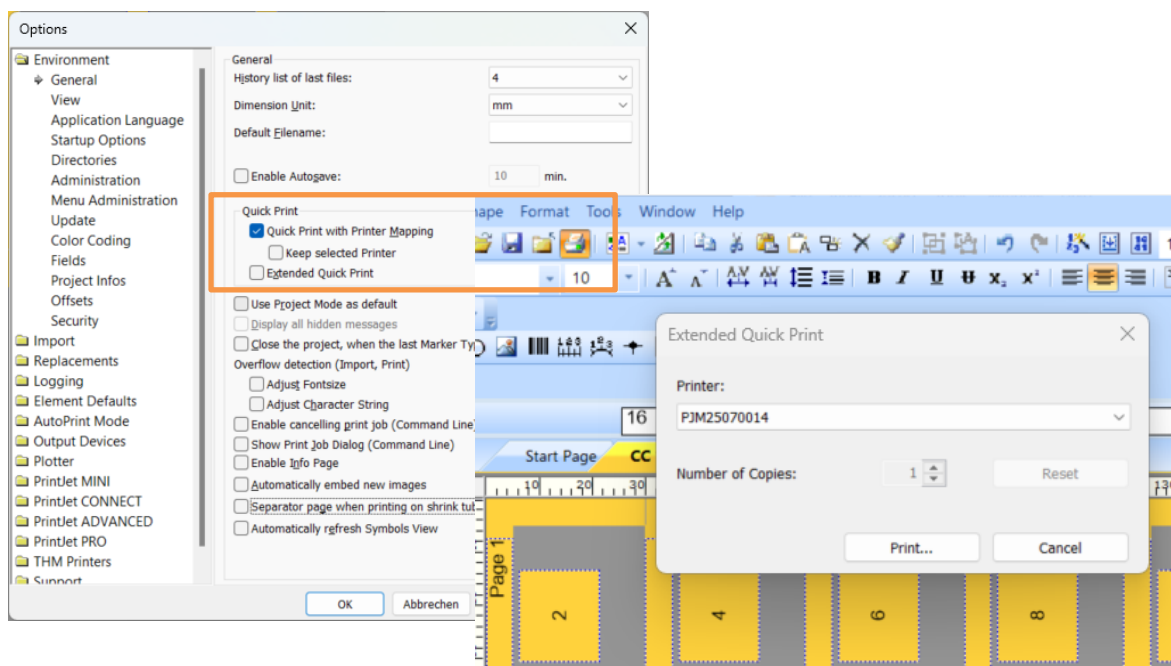
- MultiCard markers
 - Color variants of
 - SM 27/18 K MC NE BL
 - SFX 30/60 MC NE BL
 - SFX 30/60 MC NE RT
- MultiMark Labels
 - Color variants of
 - CC-FO 15/27 MM OR
 - ESG-FO 6/17 MM OR

New setting in the Options menu

In the options menu (Tools > Options) the following setting option has been added.

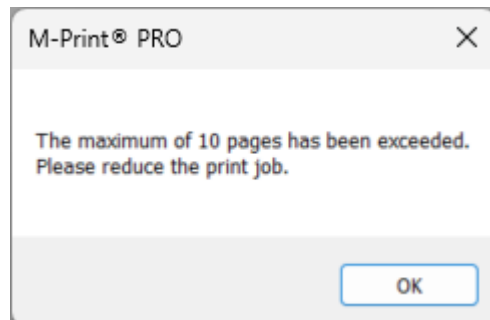
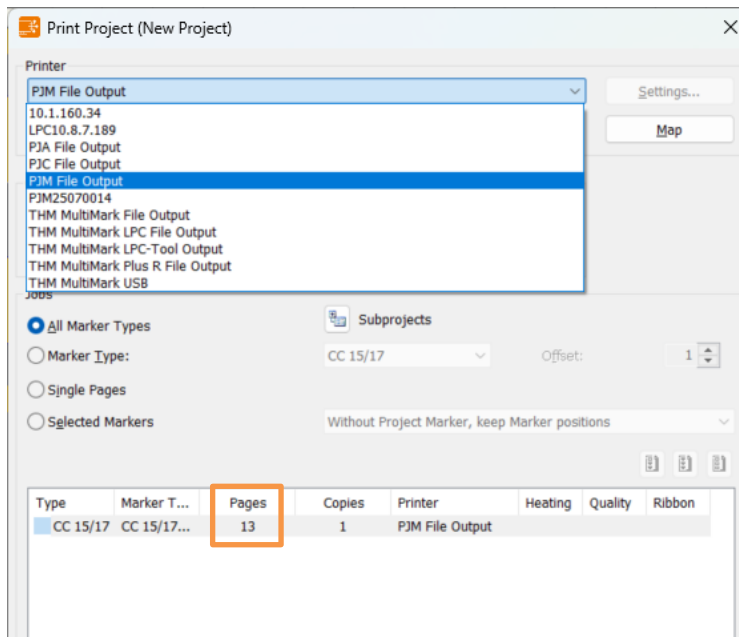
1. Quick Print with Printer Mapping

It is possible to add another option to Quick Print via the "General" area, so that it is possible to print once on another device in a different way from the already mapped printer. If, for example, you use PrintJet CONNECT as standard, but now want to process the same marker on the PrintJet MINI, you can change it directly in this dialog. This printer mapping can be saved with "Remember selected printer" for the Quick Print.



Printing: Adjustment of the PJM File Output

The possible number of prints for a print job from MultiCards has been limited to 10 for the PrintJet MINI. This ensures instantaneous communication with the printer. Please make sure to divide larger print jobs accordingly.



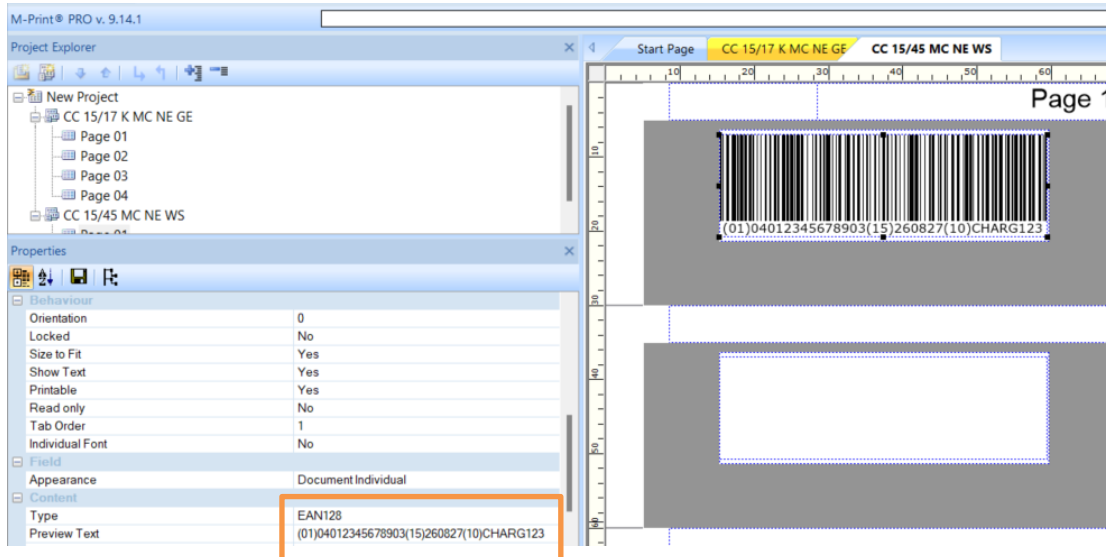
Barcode: EAN 128 becomes GS1-128

Due to the renaming of EAN 128, the barcode type in M-Print® PRO has now also become GS1-128.

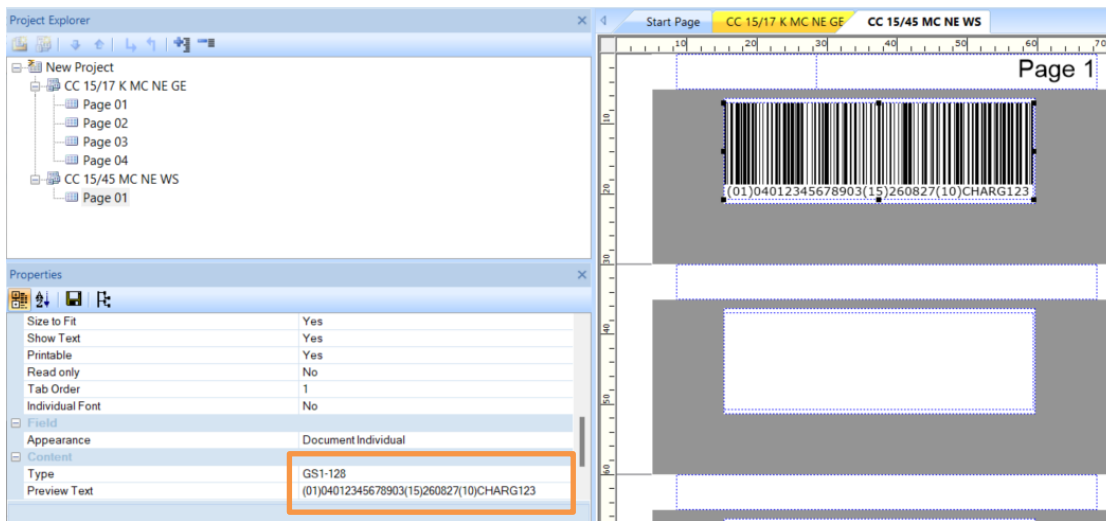
Projects that were created with older versions and have been assigned to EAN 128 can still be opened and processed. From version 9.16 onwards, the type GS1-128 is displayed.

Projects that contain the GS1-128 can also be opened with older versions of the M-Print® PRO. Here the EAN 128 is displayed still.

Versions up to 9.14:



Versions from 9.16:

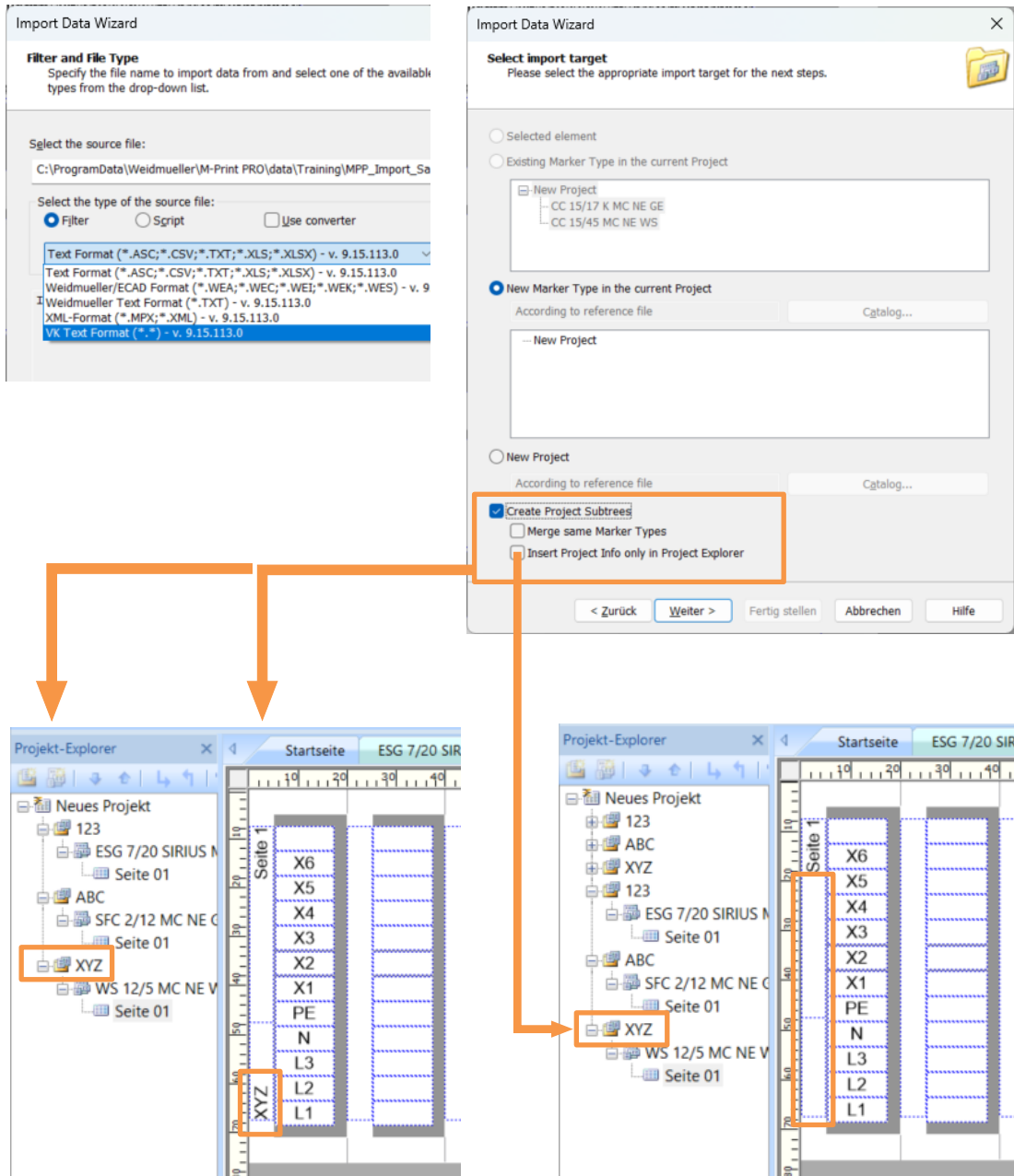


Import optimizations

The following optimizations have been implemented for importing data.

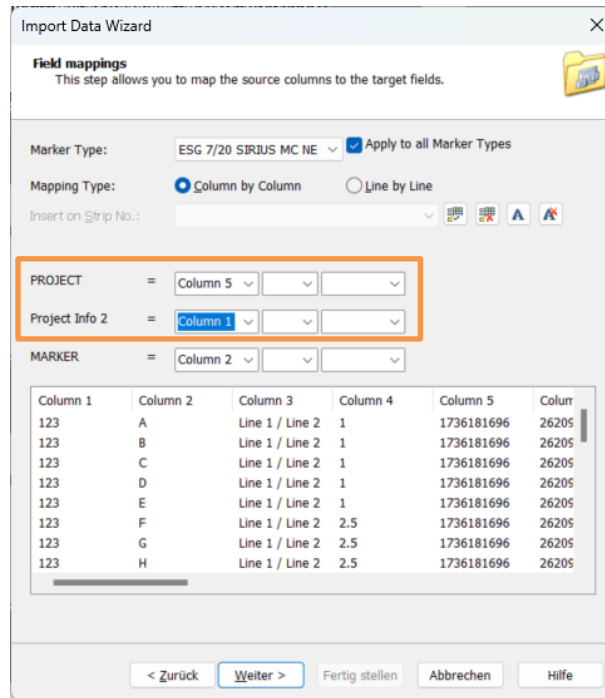
1. Import into Subprojects

Subproject information can now also be used in conjunction with the "VK Text Format" import filter. Optionally, this is only displayed in the Project Explorer or in the tree and on the project areas of the markers.

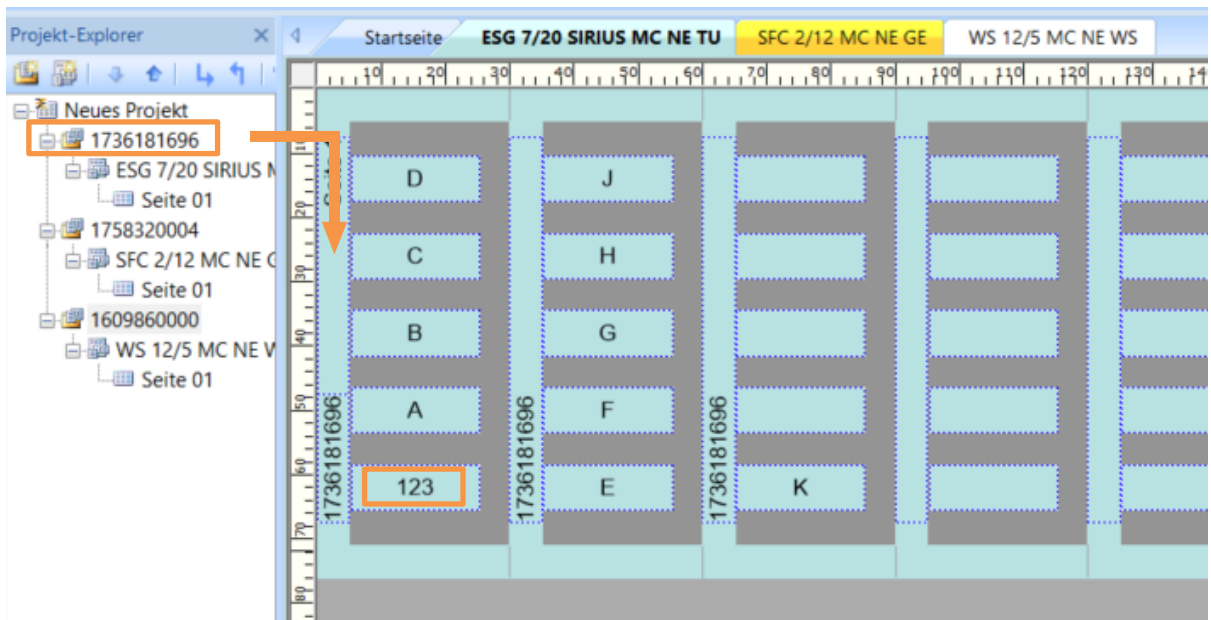


2. Import with two Project Information

If necessary, you can now process two project information for MultiCard markers. As usual, assign the data of an import column to the "PROJECT" field and then the data for the 2nd information to the "Project Info 2" field . The 2nd information is then transferred to a marker.

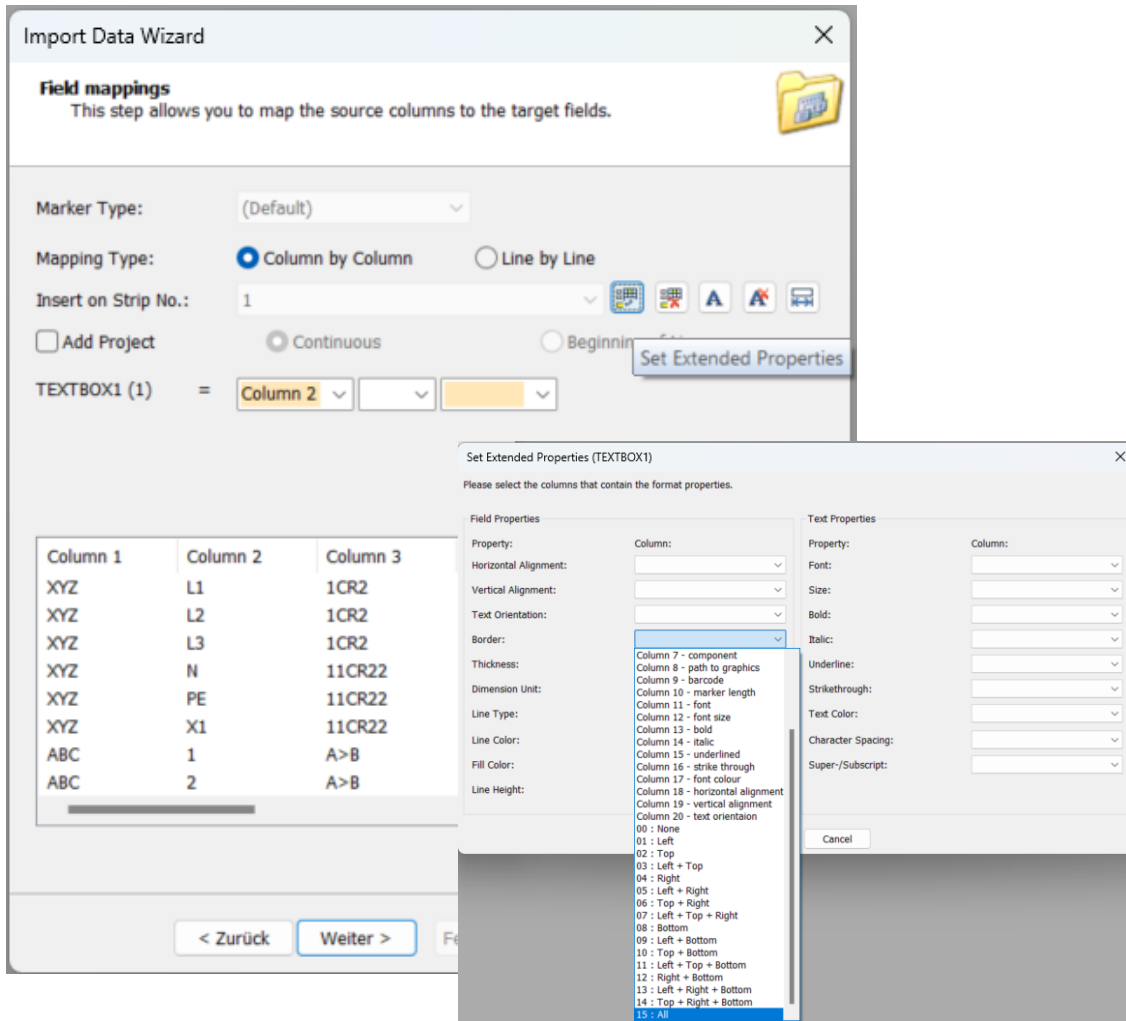


You can also use this option when using subprojects. Here the information for "PROJECT" is then also displayed in the project tree.

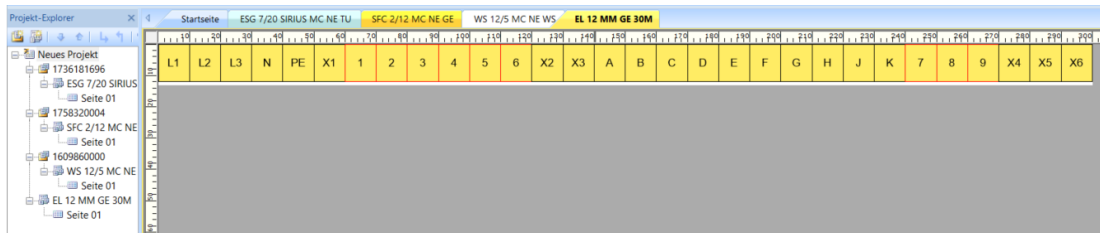


3. Extended Import Attributes for Lines

During the import to endless strips, you can set borders and lines in all variations via "Set Extended Properties".

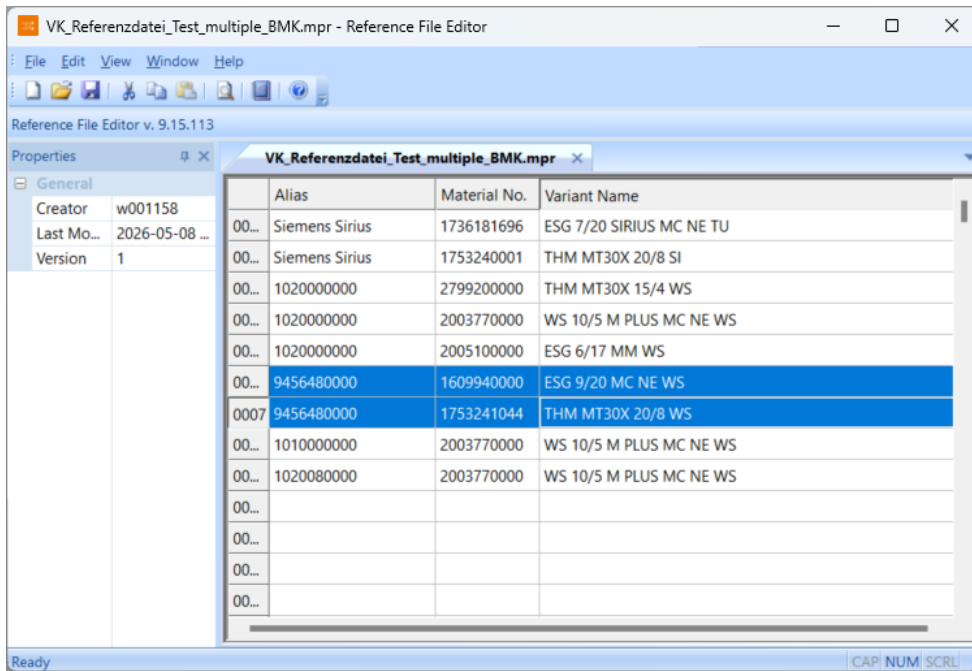


If the import file contains data for the line color and style, these presets can be used for the import. However, the printout will then be limited by the printer's capabilities and, in this case, would print all lines in black only.

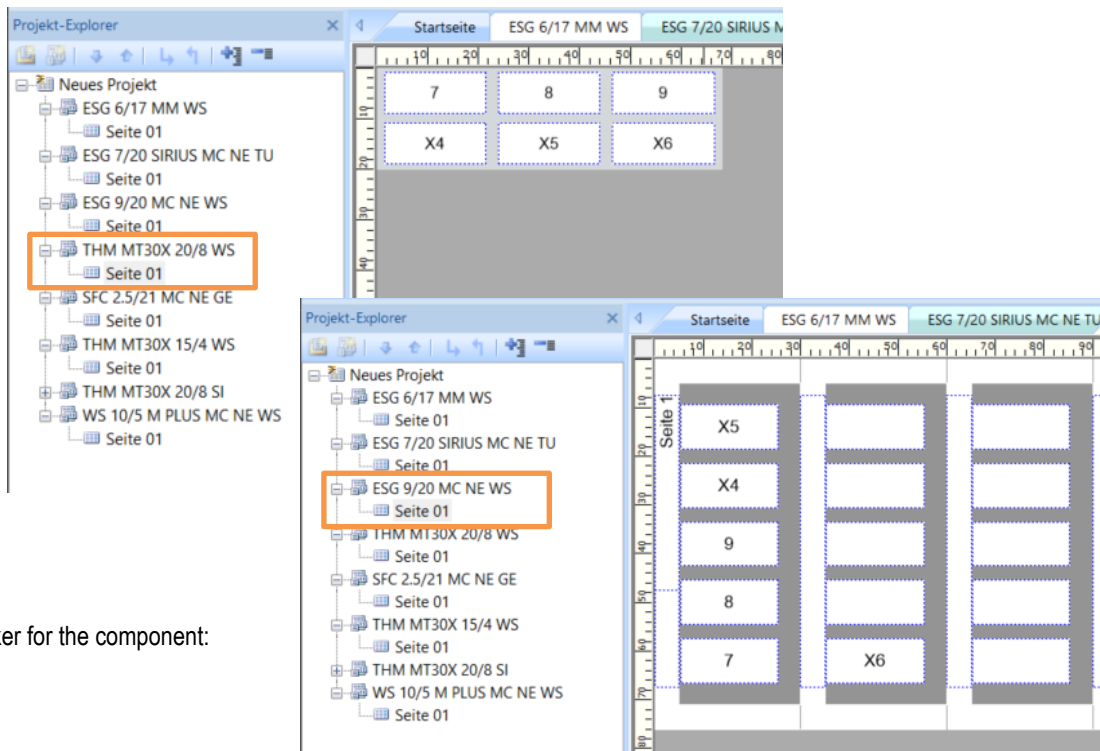


4. VK Import with Reference File and Multiple Assignments

To ensure that not only the relevant marker types and label data can be assigned to the components, but also that additional labels, e.g. for the mounting plate, can be created in parallel, the reference file editor now allows material numbers and variants to be assigned multiple times.



Label for the mounting plate:



Marker for the component:

AutoPrint Feature and Optimizations

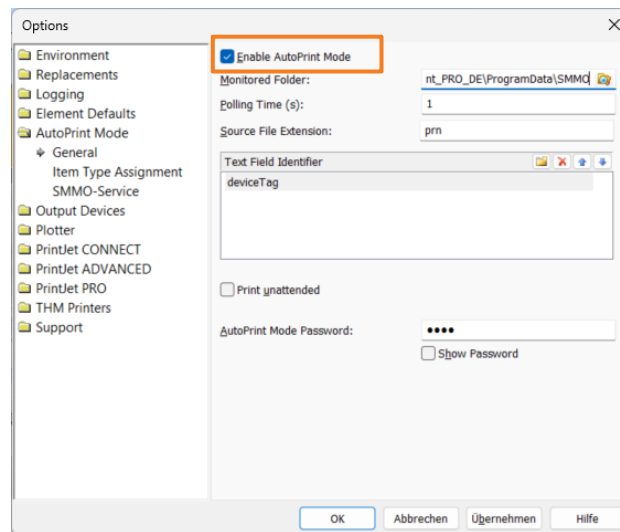
From this version onwards, the AutoPrint function is generally available after installation, unless it has been explicitly removed from the setup (installation option "Custom").

This function monitors a specified directory. As soon as files of the intended format are available there, relevant data is transferred to markers and labels according to the specification and can then be printed directly.

If the data is generated from a web application, the SMMO service (Websocket Service) must be started and configured so that the data can be transferred (s. section 4).

1. Configuration

Enable AutoPrint mode under Tools > Options > AutoPrint Mode.



Under **General**, specify the requested information, especially the folder to be monitored and the Text Field Identifier. Here, the exact name of the variable used in the source file created by Eplan Smart Mounting has to be mentioned.

```
<?xml version="1.0" encoding="utf-8"?>
<mp_smmo>
  <type>printingJob</type>
  <data>
    <jobId><![CDATA[2294b591-fa4d-4b1f-8f2f-88b6df4739fe]]></jobId>
    <createdAt><![CDATA[2025-06-03 14-00-40]]></createdAt>
    <creator><![CDATA[EPLAN Smart Production]]></creator>
    <interfaceVersion><![CDATA[1.1]]></interfaceVersion>
    <orderName><![CDATA[Test]]></orderName>
    <projectName><![CDATA[[EES]_SPEC_ESPC_LPC_v1.epdz]]></projectName>
    <workplaceName><![CDATA[Test]]></workplaceName>
    <itemType><![CDATA[Component]]></itemType>
    <deviceTag><![CDATA[=MA1+S2-FCB1]]></deviceTag>
    <partNumber><![CDATA[SIE.3RV2011-1BA10]]></partNumber>
    <manufacturer><![CDATA[Siemens]]></manufacturer>
    <orderNumber><![CDATA[3RV2011-1BA10]]></orderNumber>
    <typeName><![CDATA[3RV2011-1BA10]]></typeName>
    <erpNumber><![CDATA[EES00019]]></erpNumber>
    <partDesignation><![CDATA[CIRCUIT-BREAKER SCREW CONNECTION 2A]]></partDesignation>
    <partDescription><![CDATA[CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 1.4..]]></partDescription>
  </data>
  <deviceTagFull><![CDATA[=MA1+S2-FCB1]]></deviceTagFull>
  <deviceTagIdentifying><![CDATA[-FCB1]]></deviceTagIdentifying>
  <functionDesignationWithPrecedingSign><![CDATA[=MA1]]></functionDesignationWithPrecedingSign>
  <locationDesignationWithPrecedingSign><![CDATA[+S2]]></locationDesignationWithPrecedingSign>
</mp_smmo>
```

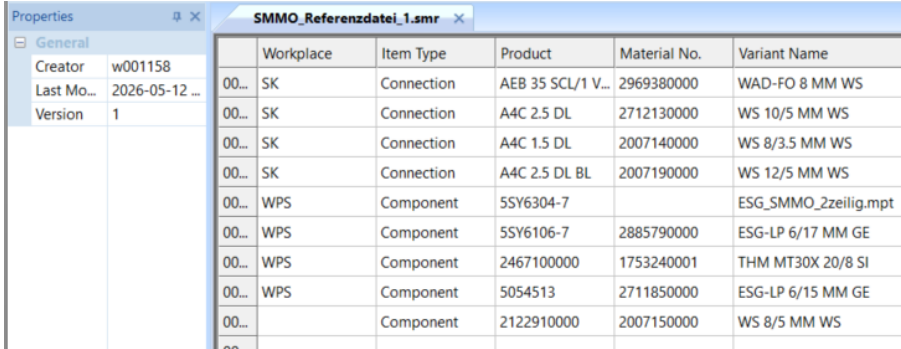

2. Apply Reference File

Alternatively, a **reference file** can be set up for the assignment of different marker types, depending on different components.

This must first be created under Tools > Reference File Editor.

In the "Product" column, please enter the data used from the transfer file. The following variables can be used for this purpose:

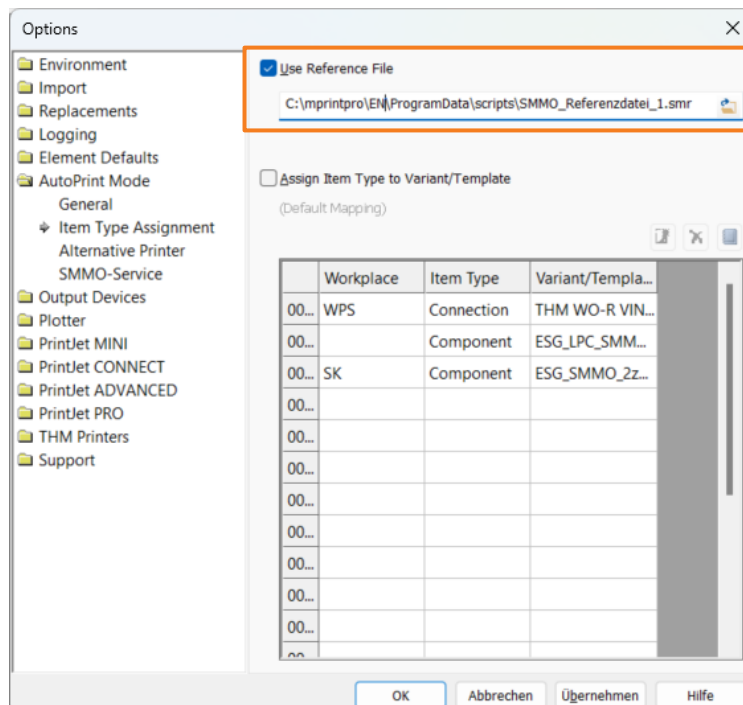
- <orderNumber>
- <partNumber>
- <erpNumber>
- <typeName>



	Workplace	Item Type	Product	Material No.	Variant Name
00...	SK	Connection	AEB 35 SCL/1 V...	2969380000	WAD-FO 8 MM WS
00...	SK	Connection	A4C 2.5 DL	2712130000	WS 10/5 MM WS
00...	SK	Connection	A4C 1.5 DL	2007140000	WS 8/3.5 MM WS
00...	SK	Connection	A4C 2.5 DL BL	2007190000	WS 12/5 MM WS
00...	WPS	Component	5SY6304-7		ESG_SMMO_2zeilig.mpt
00...	WPS	Component	5SY6106-7	2885790000	ESG-LP 6/17 MM GE
00...	WPS	Component	2467100000	1753240001	THM MT30X 20/8 SI
00...	WPS	Component	5054513	2711850000	ESG-LP 6/15 MM GE
00...		Component	2122910000	2007150000	WS 8/5 MM WS

Make sure that all columns are maintained. Only "Workplace" can be left blank if the assignment is to be universally valid.

Then assign the reference file accordingly in the AutoPrint configuration and enable this option.

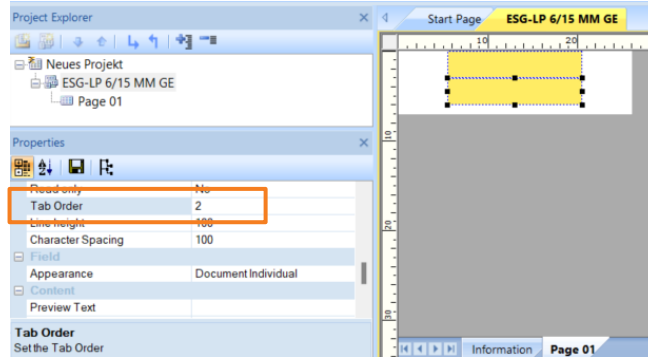


- **Make sure to add the printer (e.g. THM MultiMark LPC) to be used for the printout via the "Printer Explorer".**
- **Map the marker type to the printer** (via the print dialog or the Properties area on the marker type's information page).

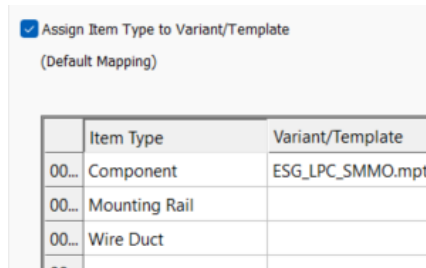
3. Import Data to Templates

Optionally, data from multiple variables in the source file can be imported and printed. In this case, follow these steps:

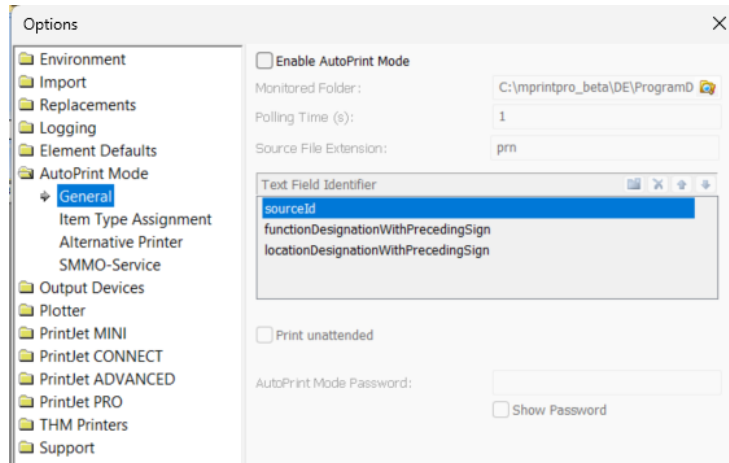
For multi-line texts, a template must be created with a corresponding number of fields with different **Tab Order**.



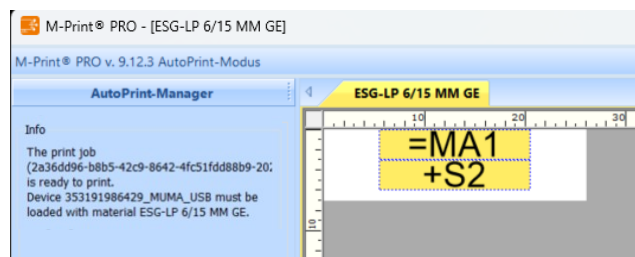
When saving, set the file type to template (.mpt) and then assign the template to the item type:



For Text Field Identifier, please create the fields according to the tab order:

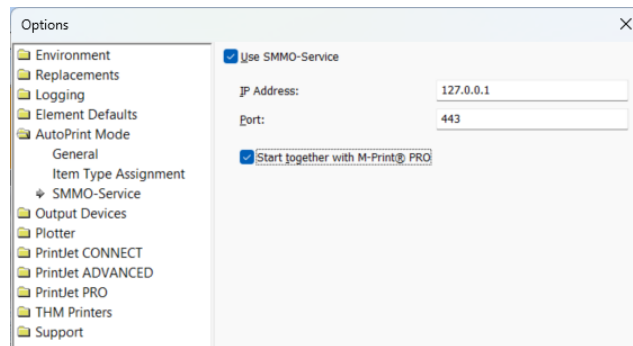


Result:




4. Data Connection to Web Application

Please activate "Use SMMO service" to use the SMMO service to retrieve the data generated by a web application.

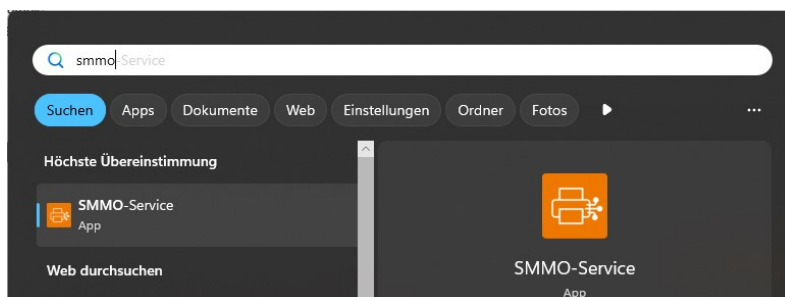


Enter the IP address that the SMMO service monitors and expects data from (web application). Also, set the port and check the firewall settings to enable communication.



- The IP address entered should not change after a computer start or must be set to be compatible after a change at this point.
- If the web application and the web socket service are located on the same computer, the IP address 127.0.0.1 can be entered.
- The port is set to 443 by default. Please ensure that the port is not blocked by other programs (e.g. web server) or assigned to another function (e.g. mailing, database access, remote desktop).

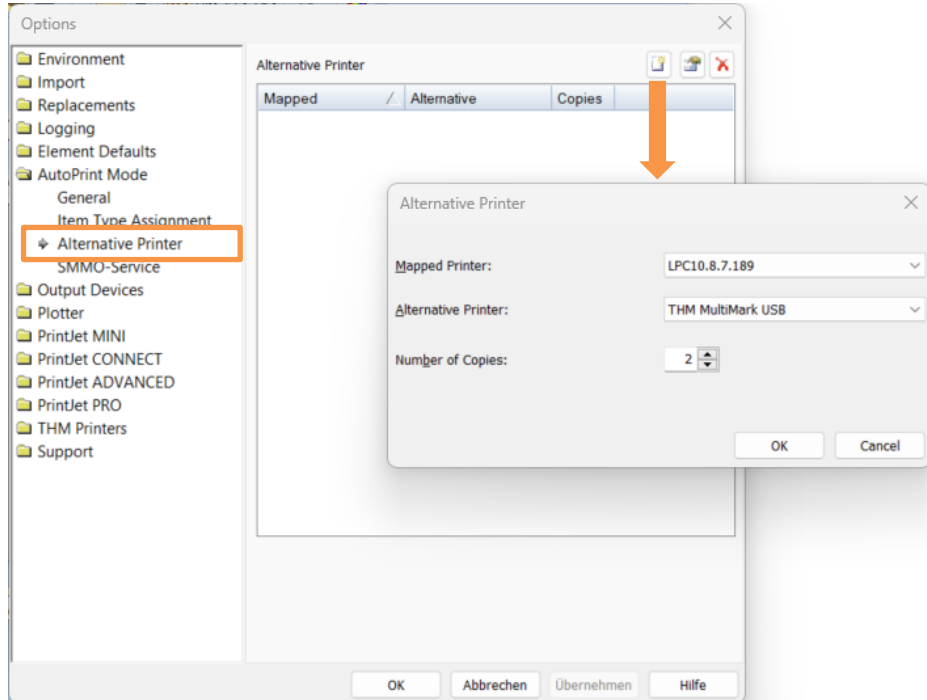
Start the SMMO service either via the option "Start together with M-Print PRO" or via the start menu.



5. Alternative Printing

The AutoPrint function can also be used to print markers via another printer ("alternative printer"). For example, labels for the component can be printed via the THM MultiMark LPC printer and one or more labels for the mounting plate or documentation can be printed on another printer.

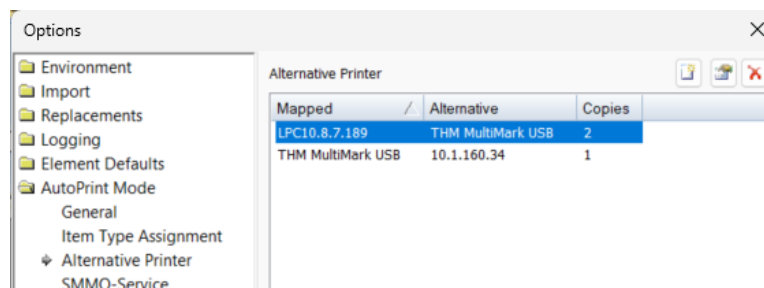
The number of additional markers can be freely defined.



To add an alternative printer, please select "Alternative Printer" in the "AutoPrint Mode" category. Then click on the icon for "New" and first assign the "Main Printer" (e.g. a THM MultiMark LPC) and then select the printer to be used for alternative printing.

The "Main Printer" is the printer that is/was assigned to the marker via the print dialog.

If you print from different stations, you can create several combinations at this point via the "New" icon. The "main printer" can only be considered once, as it is a 1 to 1 relationship.

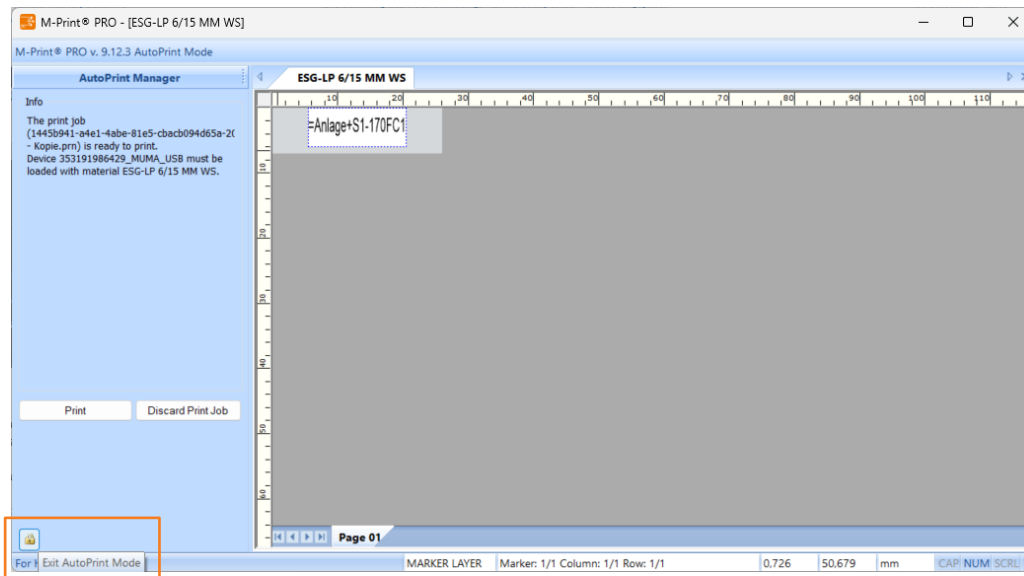


Only those printers that were previously added via Printer Explorer are available for assigning alternative printers.

6. Exit AutoPrint

In AutoPrint mode, most of the functions of the M-Print® PRO are disabled.

Once print data is available in the monitored directory, it is displayed on the previously specified label and can then be printed (or discarded).



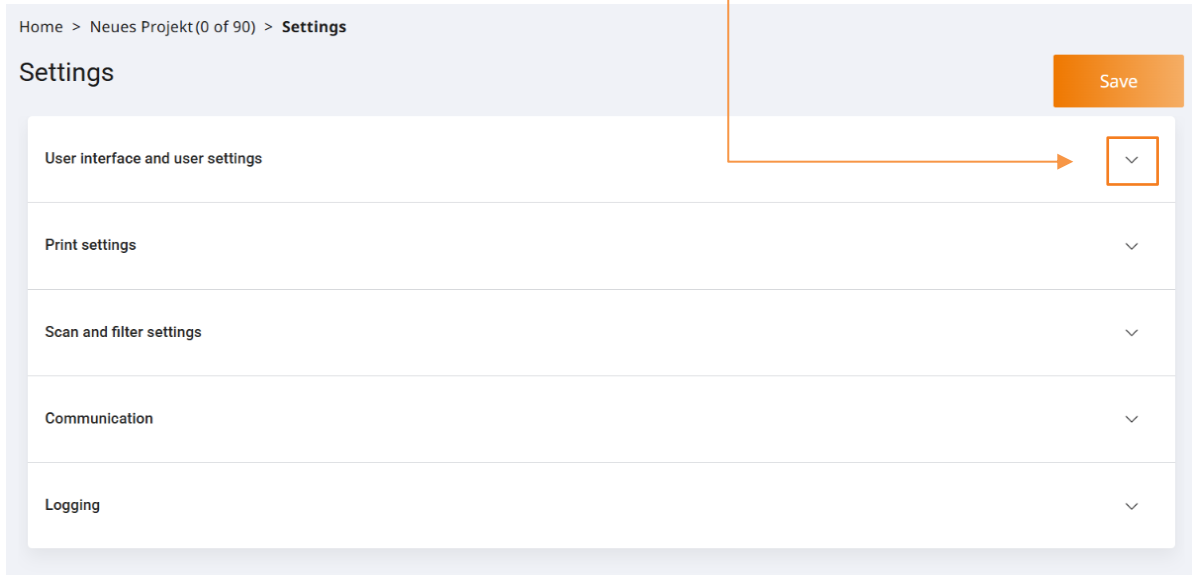
To exit the mode and return to the standard mode, please click on the corresponding icon "Exit AutoPrint Mode". This can be assigned with a password, which is requested when exiting the AutoPrint mode.

LPC-Tool Optimizations and Additions

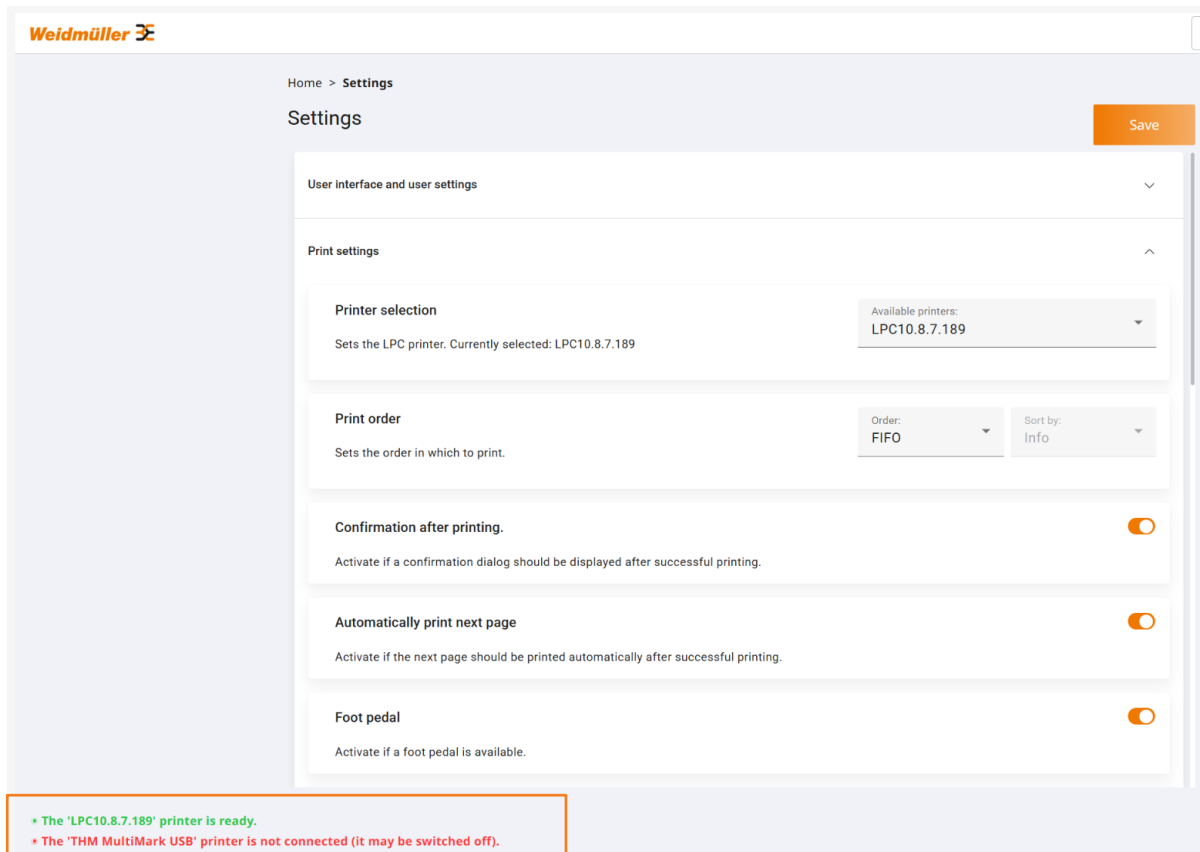
Settings

1. Clarity

For a better overview, the individual setting options have been grouped into sections. You can display them via the buttons.



In addition, the assigned printers are now named in the printer status display.



2. Print Settings

In the Print Settings section, you can specify that each label may actually only be printed once.

Single printing

Each marker may only be printed once.

Note for single printing

Allow one additional printout with warning message.

3. Scan and Filter Settings

You can now also activate the possibility of a substring search.

Scan and filter settings ^

Filter Filter: Scanner - single mode

Sets the filter criteria.

Substrings

Enable substring search function

Scanner mode

Activate to open a print file via the barcode scanner.

In scanner mode, this substring search always refers to the EAN code.

If you e.g. want to filter to the manufacturer via the free text, for example, first set the filter property to "Filtered" and then enter your search text.

Scan and filter settings ^

Filter Filter: Filtered


Sets the filter criteria.

Home > Neues Projekt (0 of 15) Degree of completion: 0/90 (0%)

i **Footpedal activated**
15 markers match the filter criteria.

Filter

VPU × VPU



↶

Info	Product	⋮
Reference 1	4050118599329	
Weidmüller	Reference 2	
Reference 3	VPU AC II 1 R 75/50	^
Reference 5	Reference 4	
	Reference 6	

=AA10+CAB1
-FAD04

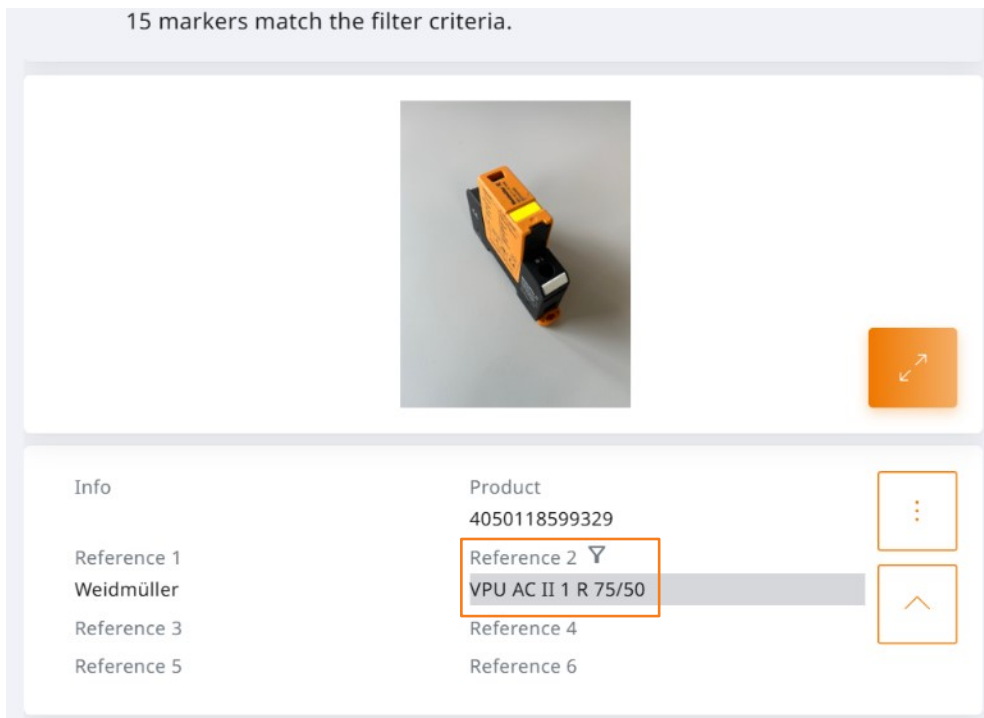
Print

⚙️

=AA10+CAB1
-FAD10

In addition, there is the possibility to filter in the product information area by clicking on the reference or the feature itself.

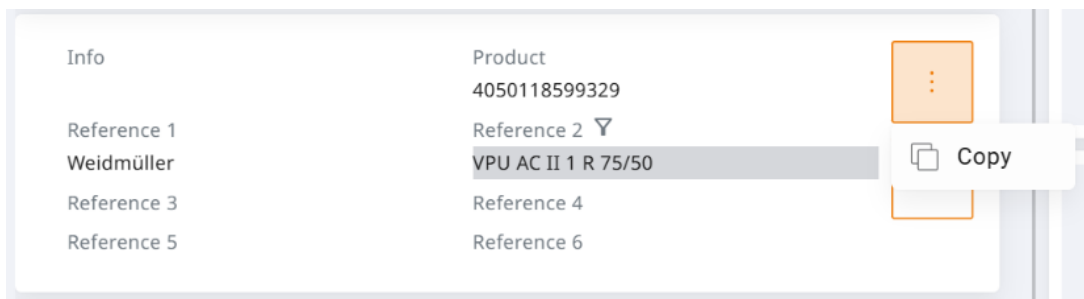
If filtered, a filter icon is displayed. The filter is reset by clicking on the filter criterion again.



Task List Features

1. Copy Product Info

If, for example, you want to copy and save the product information of the component for your documentation, a "copy button" is available for this purpose.



You will then receive the assigned data on the clipboard and can paste it as desired.

Info:

Product: 4050118599329

Reference 1: Weidmüller

Reference 2: VPU AC II 1 R 75/50

Reference 3:

Reference 4:

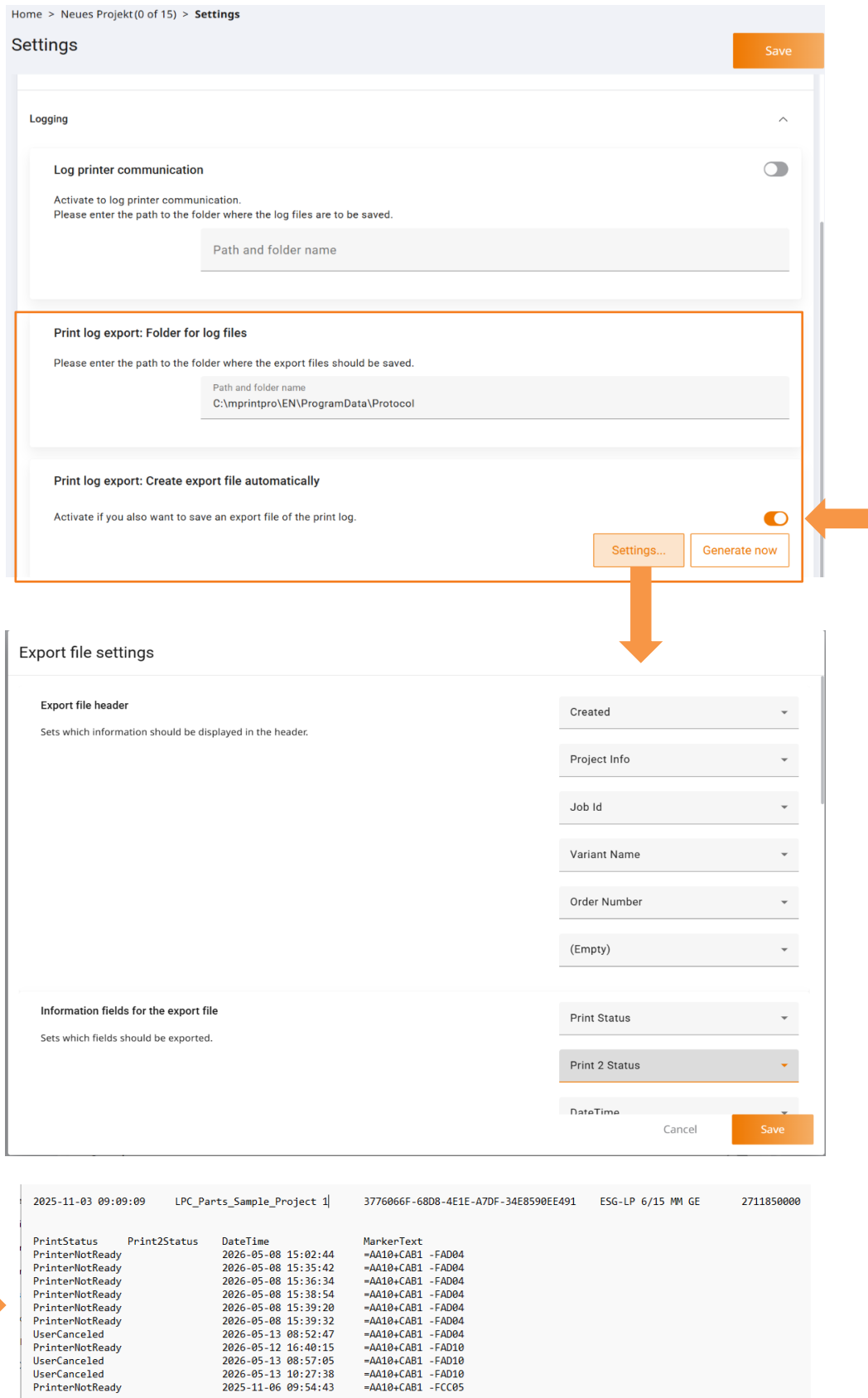
Reference 5:

Reference 6:

2. Logging of Printed Data

We've streamlined the logging of printed data, so you can now determine which data is relevant. In the settings, specify the path under "Folder for log files" and under "Create export file automatically" which data is to be saved.

Be sure to enable this option if you want to use it.



The screenshot shows the 'Settings' page for 'Neues Projekt(0 of 15)'. The 'Logging' section is expanded, showing three main areas:

- Log printer communication:** A toggle switch is turned off. Below it is a text input field for 'Path and folder name'.
- Print log export: Folder for log files:** A text input field contains the path 'C:\mprintpro\EN\ProgramData\Protocol'.
- Print log export: Create export file automatically:** A toggle switch is turned on. An orange arrow points to this toggle.

Below these settings are two buttons: 'Settings...' and 'Generate now'. An orange arrow points from the 'Settings...' button down to the 'Export file settings' section.

The 'Export file settings' section contains two main groups of dropdown menus:

- Export file header:** Includes 'Created', 'Project Info', 'Job Id', 'Variant Name', 'Order Number', and '(Empty)'.
- Information fields for the export file:** Includes 'Print Status', 'Print 2 Status', and 'DateTime'.

At the bottom of the 'Export file settings' section are 'Cancel' and 'Save' buttons.

Below the settings is a table of log data:

PrintStatus	Print2Status	DateTime	MarkerText
PrinterNotReady		2026-05-08 15:02:44	=AA10+CAB1 -FAD04
PrinterNotReady		2026-05-08 15:35:42	=AA10+CAB1 -FAD04
PrinterNotReady		2026-05-08 15:36:34	=AA10+CAB1 -FAD04
PrinterNotReady		2026-05-08 15:38:54	=AA10+CAB1 -FAD04
PrinterNotReady		2026-05-08 15:39:20	=AA10+CAB1 -FAD04
PrinterNotReady		2026-05-08 15:39:32	=AA10+CAB1 -FAD04
UserCanceled		2026-05-13 08:52:47	=AA10+CAB1 -FAD04
PrinterNotReady		2026-05-12 16:40:15	=AA10+CAB1 -FAD10
UserCanceled		2026-05-13 08:57:05	=AA10+CAB1 -FAD10
UserCanceled		2026-05-13 10:27:38	=AA10+CAB1 -FAD10
PrinterNotReady		2025-11-06 09:54:43	=AA10+CAB1 -FCC05