Printer setup and first steps

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PrintJet Advanced

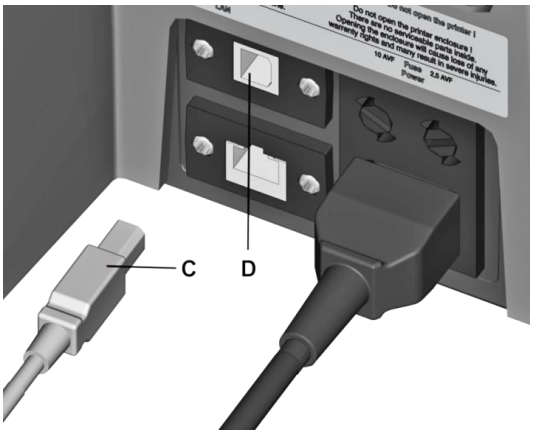
Partnumber 115V - 1338700000
Partnumber 230V - 1324380000

Install Printer

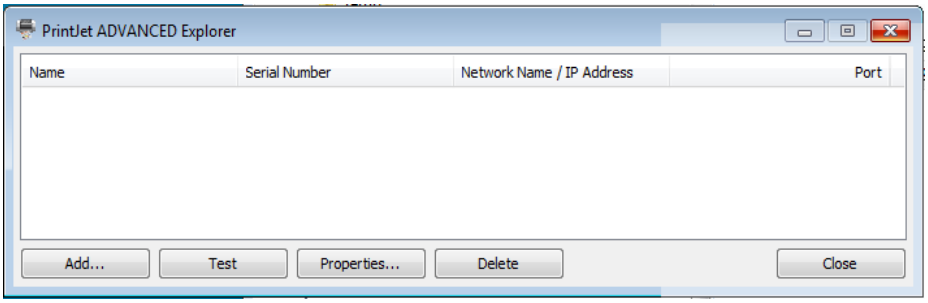
The installation of the Print**Jet Advanced is done by the M-Print PRO Software. A driver must not be installed separately.**
Connecting the printer by USB- or Ethernet port is described in the following:

USB

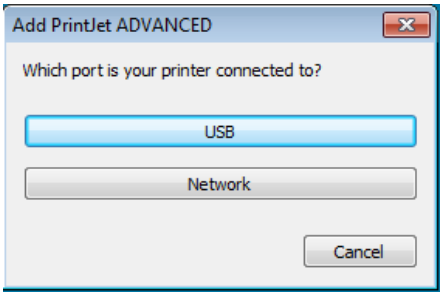
Important information
When you have installed the M-Print® PRO application software, connect the USB cable to the printer. The printer control software is installed automatically.



The following dialog box appears:

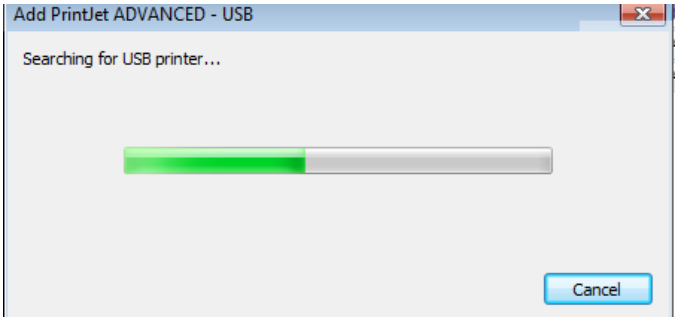


1 To add the Print**Jet ADVANCED**, click the [Add…] button.

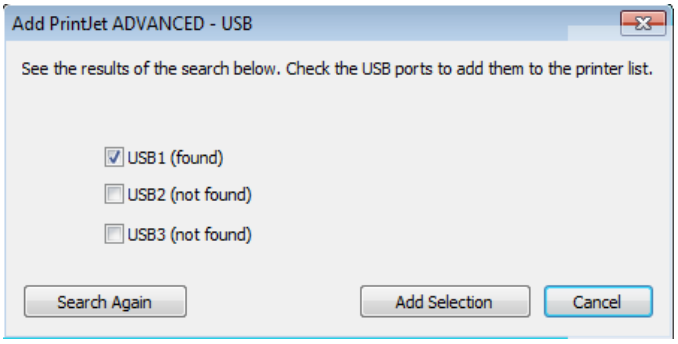


2 Click the [USB] button.

The printer search starts.

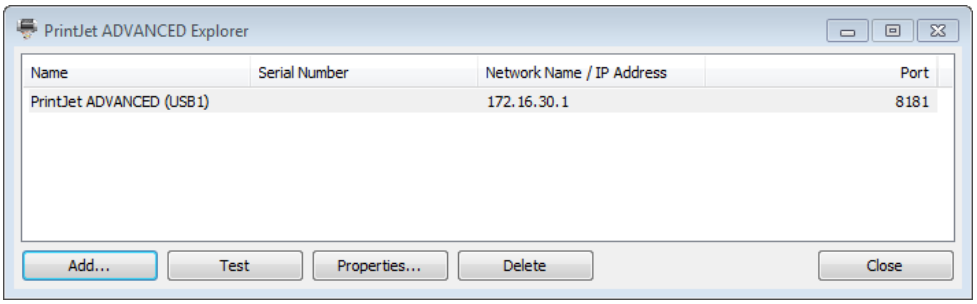


The search result is displayed in the following dialog box:

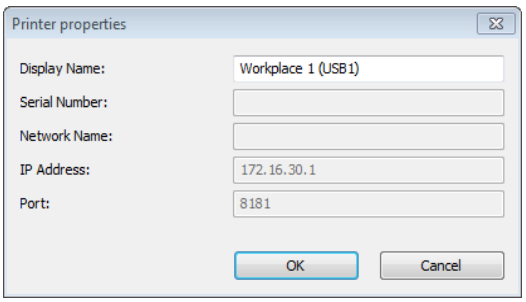


If no printer was found, you may start a new search process via the button [Search again].

If a printer was found, click on the button [Add selection]. The following dialog box appears:



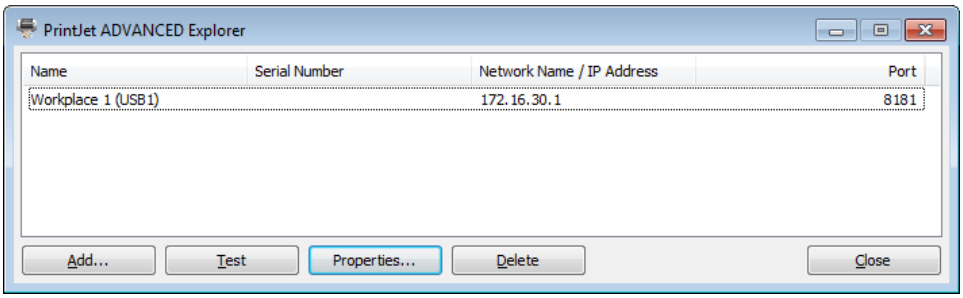
3 If you want to change the printer name, click the [Properties...] button. This changed printer name is then displayed in M-Print® PRO.



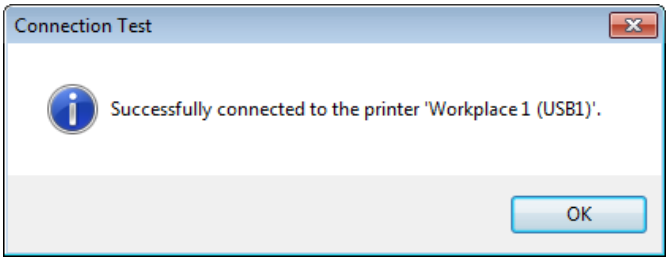
4 Enter the printer name required for M-Print® PRO, for example PJA Workplace 1 (USB1).

5 Confirm your inputs with [OK].

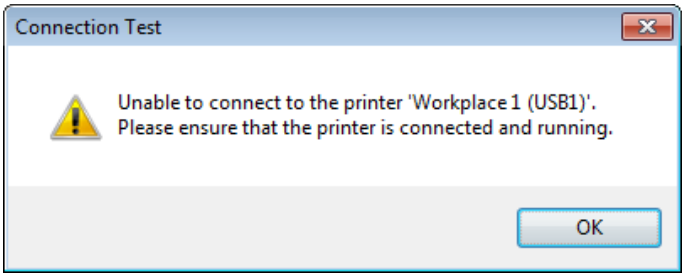
The changed name PJA Workplace 1 (USB1) is displayed in the Explorer.



You can remove the highlighted printer from the list with the [Delete] button. You can add this printer again at any time. You exit the dialog box with the [Close] button.
You can check whether the printer highlighted in the list is connected and accessible with the [Test] button.
If so, the following dialog box appears:



You see the following message if the printer cannot be found because, for example, it is turned off:



If you choose the [Ignore] button, the printer is included in the list although it is not accessible.

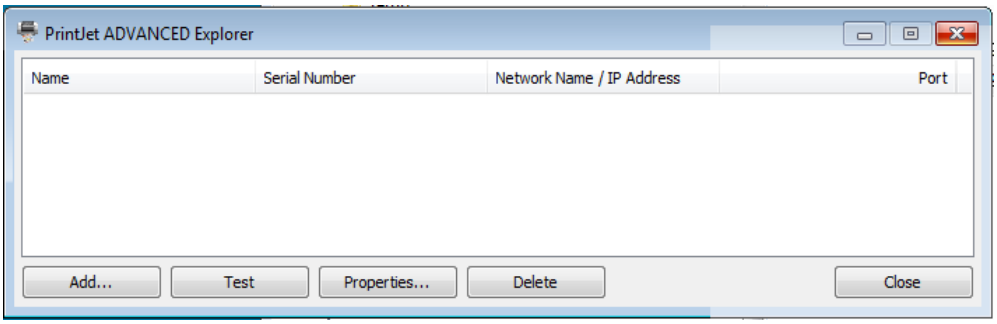
6 Next you have to activate the M-Print® PRO software.

Network

Important information

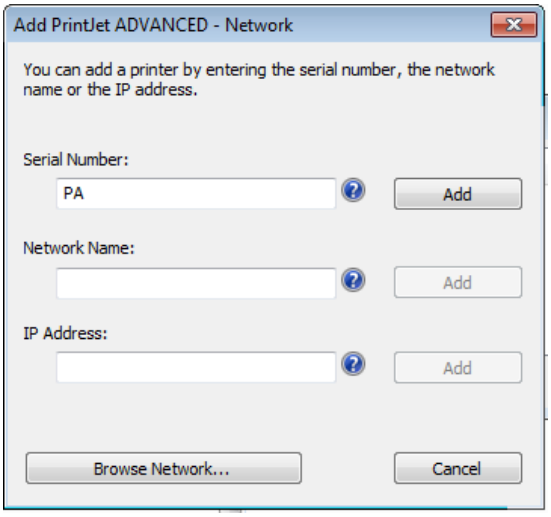
Installation should be carried out by a specialist. Administrator rights are required for this process.

The following dialog box appears:



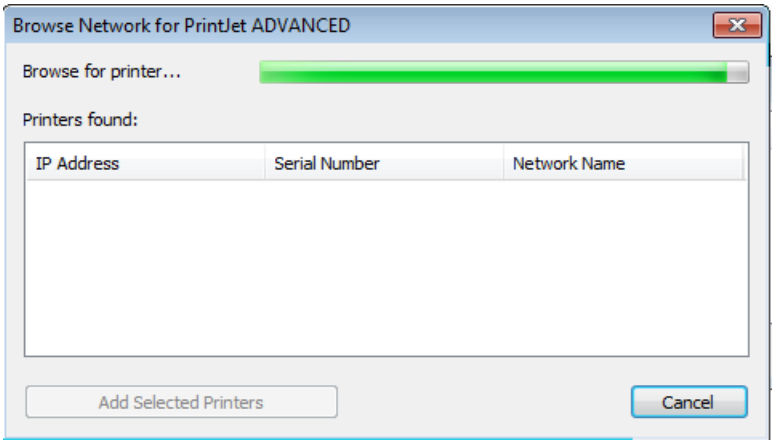
1 To add the Print**Jet ADVANCED**, click the [Add…] button.

The following dialog box appears:

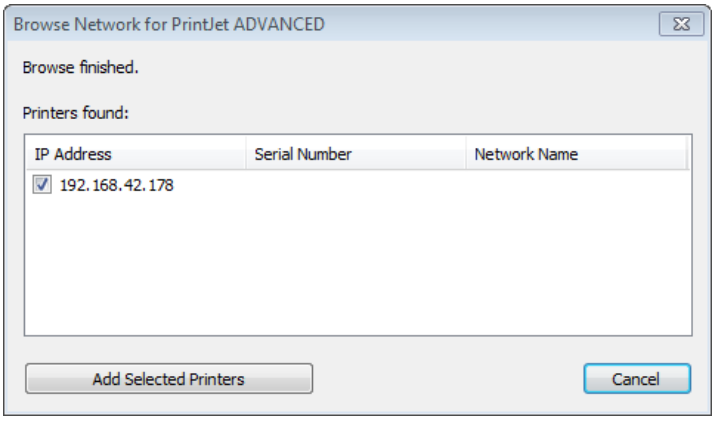


Adding the printer

When you click on the button [Browse network...], the search process is started.



If a printer was found, the following dialog box appears:

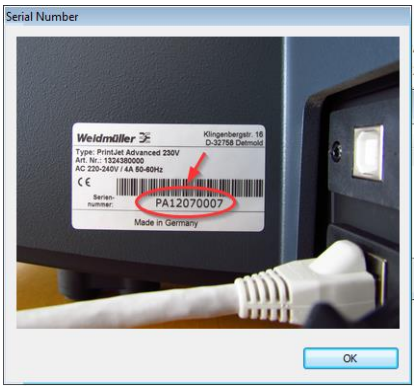


You can also add the printer via its serial number or its network name or its IP address.

Important information
If you specified [DHCP] under System Info on the touch panel, you must add the printer via its network name.

Pressing the respective question mark shows where you can find the required information.
You can see the serial number, for example, on the printer's rating plate.

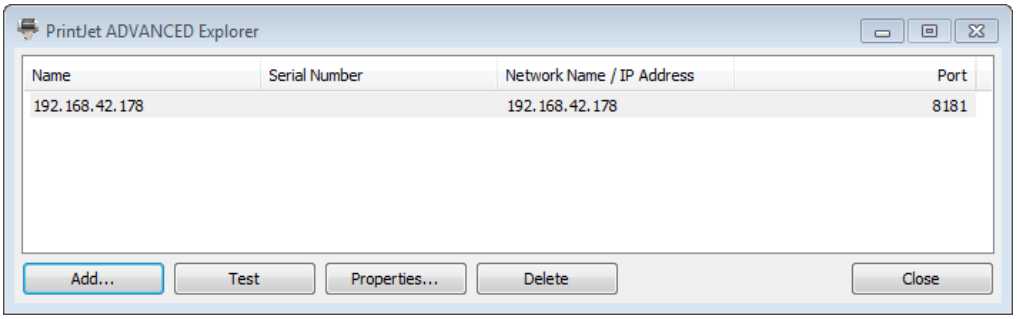
2 Clicking the question mark for the serial number shows you the position of the rating plate on the printer.



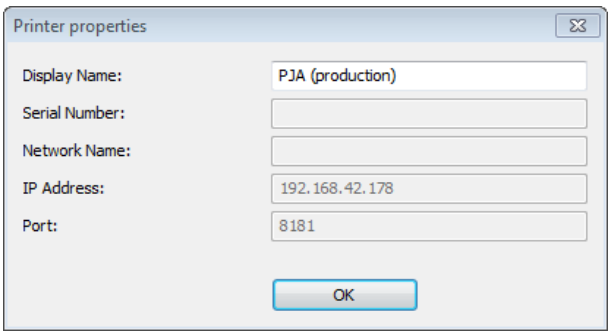
3 Enter the serial number or the network name or the IP address. If you click on the question mark, you will receive more information.

4 Click the respective [Add...] button.

The entered printer is displayed in the Print**Jet ADVANCED** Explorer.



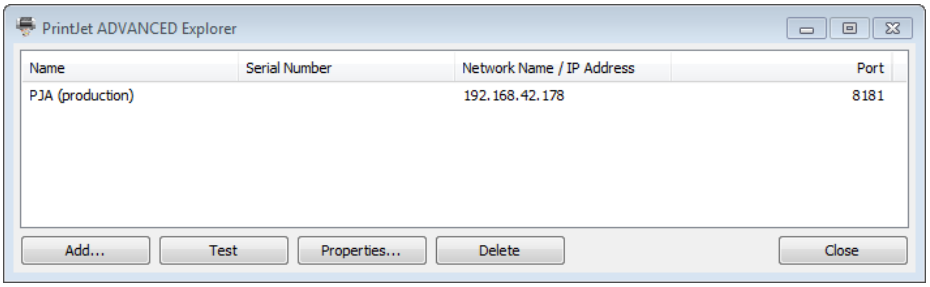
5 If you want to change the printer name, click the [Properties...] button. This changed printer name is then displayed in M-Print® PRO.



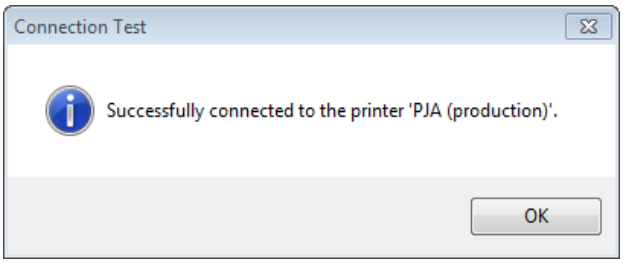
6 Enter the printer name required for M-Print® PRO, for example PJA (production).

7 Confirm your inputs with [OK].

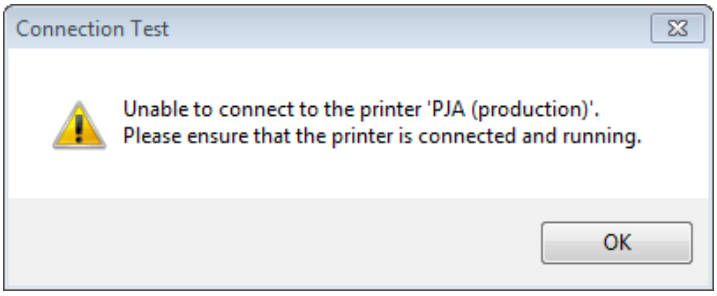
The changed name is displayed in the Print**Jet ADVANCED** Explorer.



You can remove the highlighted printer from the list with the [Delete] button. You can add this printer again at any time. You exit the dialog box with the [Close] button.
You can check whether the printer highlighted in the list is connected and accessible with the [Test] button.
If so, the following dialog box appears:



You see the following message if the printer cannot be found because, for example, it is turned off or there is a network problem:



If you choose the [Ignore] button, the printer is included in the list although it is not accessible.

8 Next you have to activate the M-Print® PRO software (see "**Fehler! Verweisquelle konnte nicht gefunden werden. Fehler! Verweisquelle konnte nicht gefunden werden.**").

PrintJet PRO / PrintJet PRO Metal

Artikelnummer 115V – 1024050000 / 1441030000
Artikelnummer 230V – 1001180001 / 1441020000

Install printer driver

The printer driver supports Windows XP, Windows Vista, Windows 7, Windows 8.
Install the driver (available at www.weidmueller.com or on the delivered DVD) according to the instructions of the printer manual.
Notice: If a driver for PrintJet PRO is already installed, a further installation for PrintJet PRO Metal is not necessary / possible!

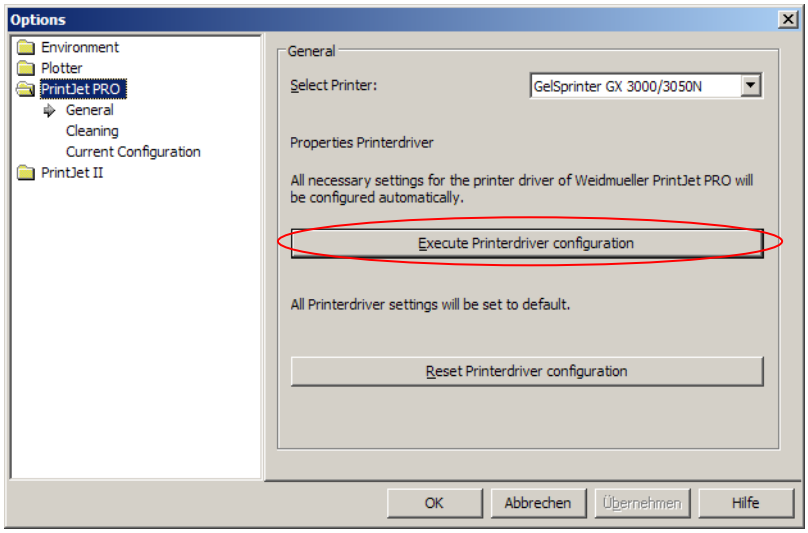
After installation, please use
GelSprinter GX 3000/3050N for **PrintJet PRO** and
GelSprinter GX 3000 bzw. GX 3000/3050N for **PrintJet PRO Metal.**

Configuring the printer with M-Print PRO

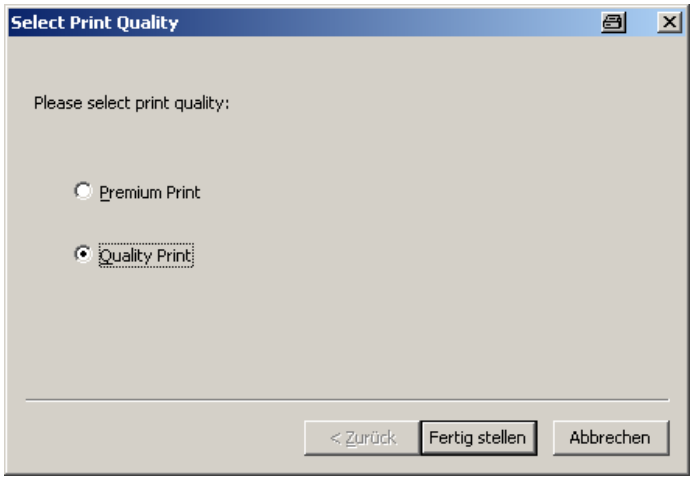
The driver settings can be done directly in the M-Print PRO software.

Please take the following steps:

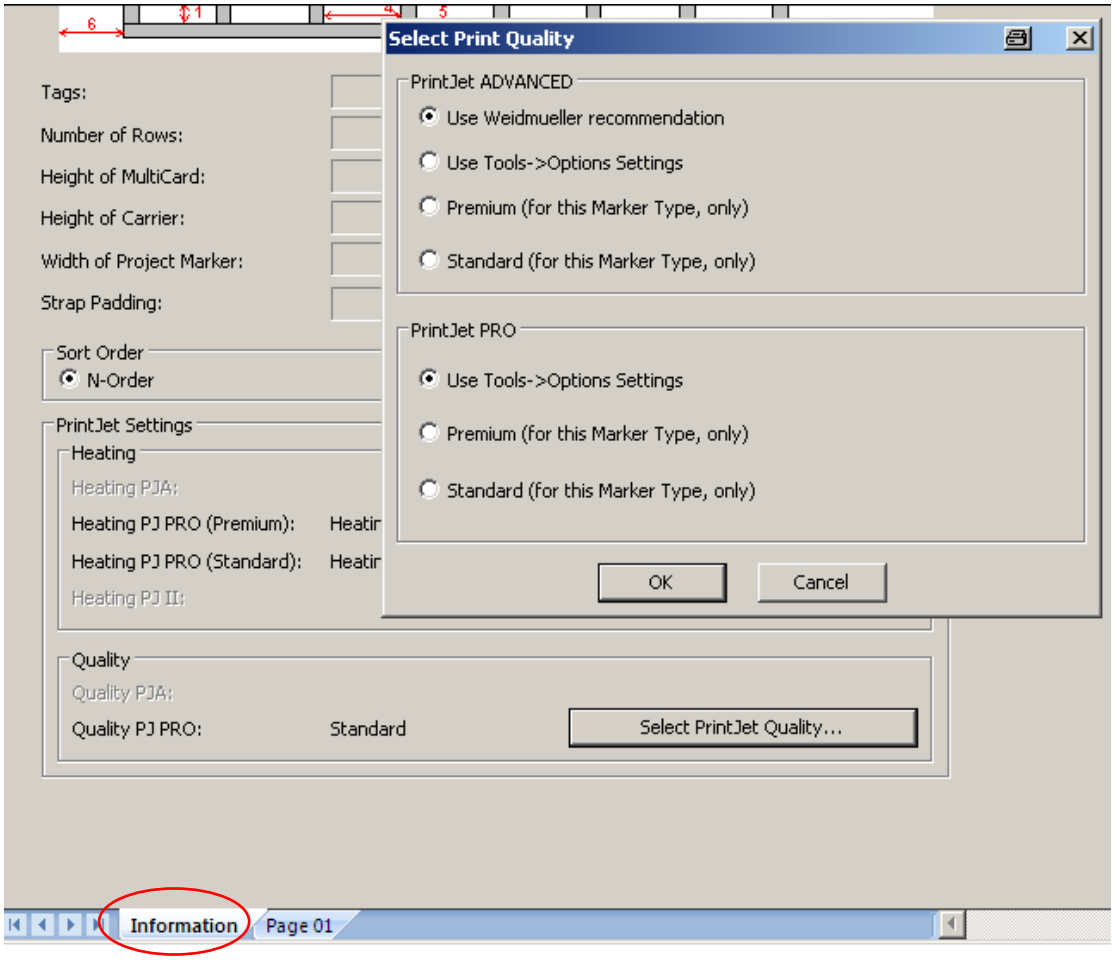
1. Select "Tools" from the menu pull-down, and then click on "Options".
2. In the Options windows, click on the "PrintJet PRO" folder.



3. Click on the button "Execute printer driver configuration".



4. Select the print quality. The recommended setting for pure black prints is "Quality Print". Please select "Premium Quality" only when you will be printing complex graphics. This will result in more ink usage and a slower print process.
   The print quality can be adjusted for every single marker type later on by using the information page.



5. Confirm the driver settings by clicking on the “Finish” button.

Calibrating the PrintJet PRO

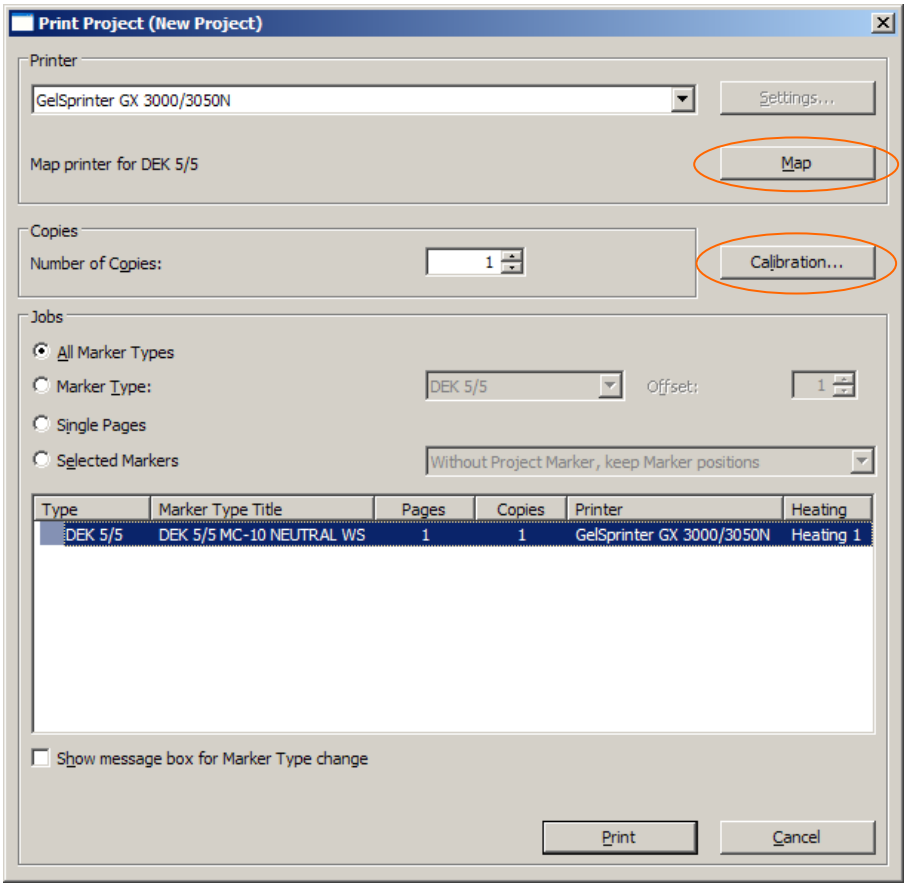
Start M-Print PRO and select the “DEK 5/5 MC-10 BLANK WS” MultiCard from the product catalogue. Use this card to set the optimum parameters for your PrintJet PRO. Go to File -> Print, select the GX 3000/3050N printer driver and click on “Map”.

The DEK 5/5 material is now assigned to the PrintJet PRO and, provided this setting is not changed, will always be printed on this printer.

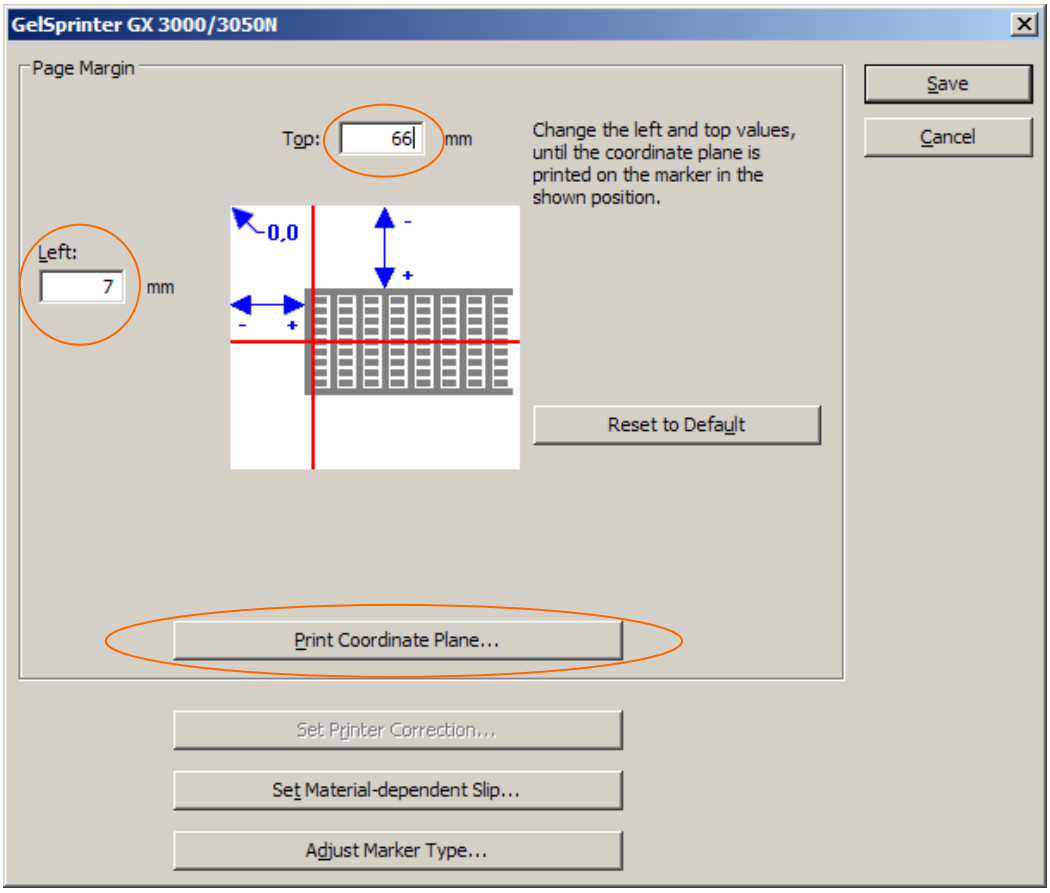
Switch the printer heating to 0%!

a) The printed card can be cleaned with water and used again.
b) The distances required for calibrating the printer are not distorted by the heat effects.

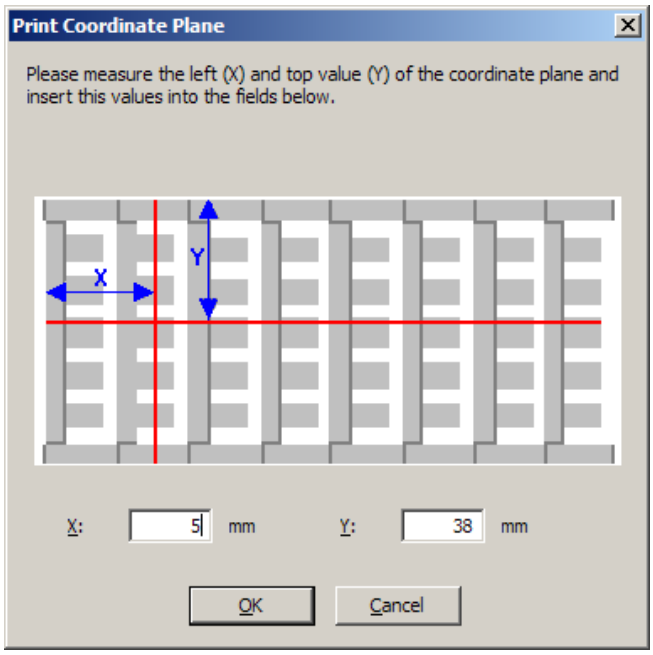
Now click on “Calibration...” in order to set the margins for your printer.



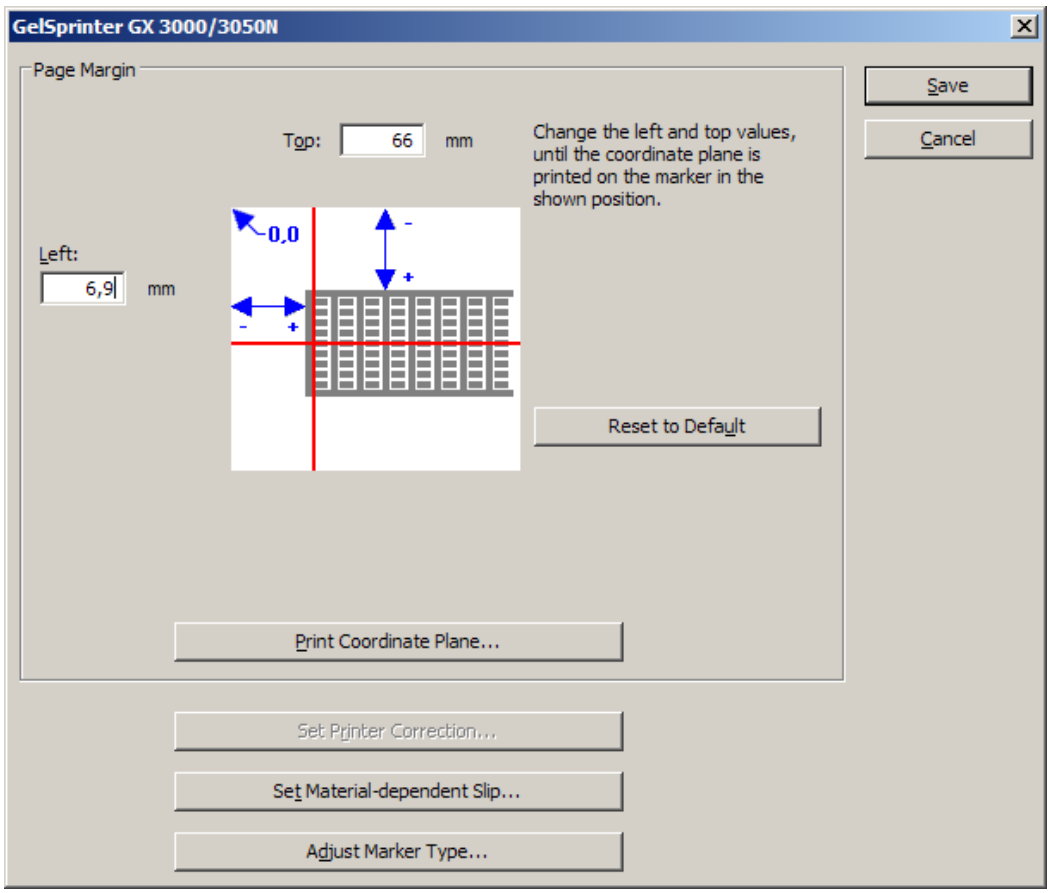
Enter “7” in the box marked “Left” and “66” in the box marked “Top”.
Click on “Save” to save your entries.
Click on “Calibration...” once again.
Now print a cross representing the zero reference point on the Dekafix 5/5.



Measure the distances as shown in the screenshot below and enter these in the appropriate boxes.
Click on “OK” to confirm your entries.



The values you have entered are used to adjust the margins automatically.



You have set the margins correctly when the zero reference point for the Dekafix 5/5 lies horizontally in a centre of the card and vertically between the first project name panel and the first row of markers. To check this, print out the zero reference point with the corrected values.

The margins must be set up once for each printer because the position of the zero reference point is specific to each printer.

Save your settings.

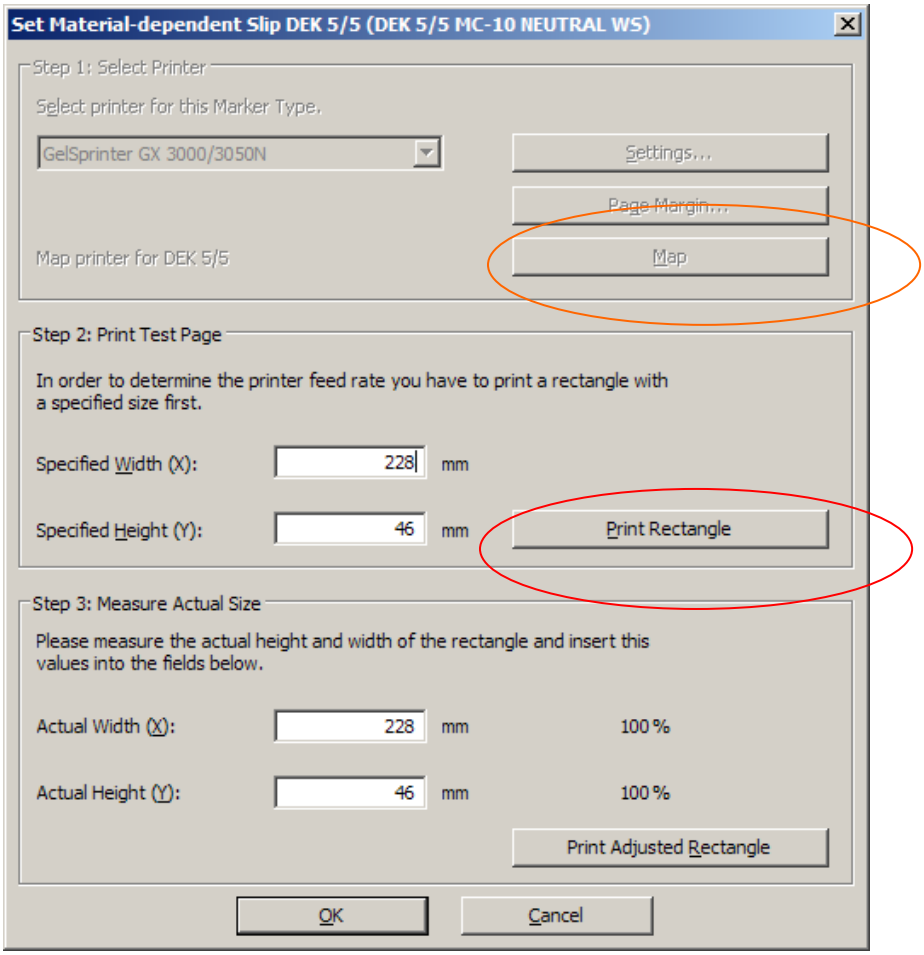
Setting marker types

Create a new project and select your marker type from the product catalogue.

Go to File -> Set Printer Correction, select in step 1 the GX 3000/3050N printer driver and click on “Map”, provided this has not already been assigned.

In step 2 print out a rectangle with the given size.

Measure the size of the rectangle and enter these values in step 3.



It is only necessary to print out the rectangle once per marker and per printer.

Click on “OK” to confirm your entries and exit the printer menu.

Your PrintJet PRO has now been adjusted to the marker type you selected.

Finally, you can measure your marker type in order to compensate for physical changes in the MultiCard.

Calibrating the marker type:

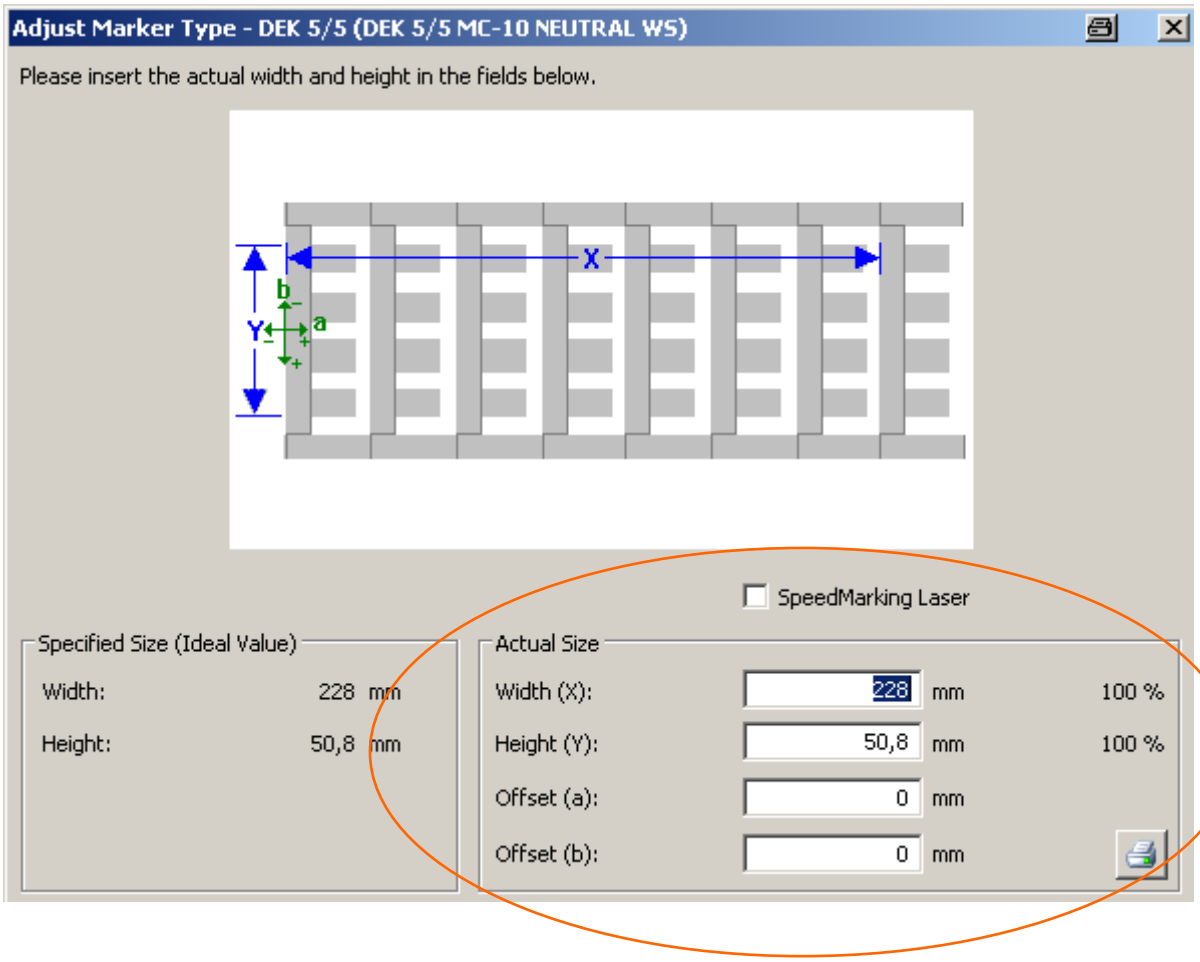
You can calibrate your marker type in order to compensate for physical changes.

Go to File -> Adjust marker type to enter the values you have measured.

Measure the width (X) from the start of the first project name panel to the start of the last project name panel.

To determine the height (Y), measure from the bottom edge of the bottommost marker to the top edge of the topmost marker.

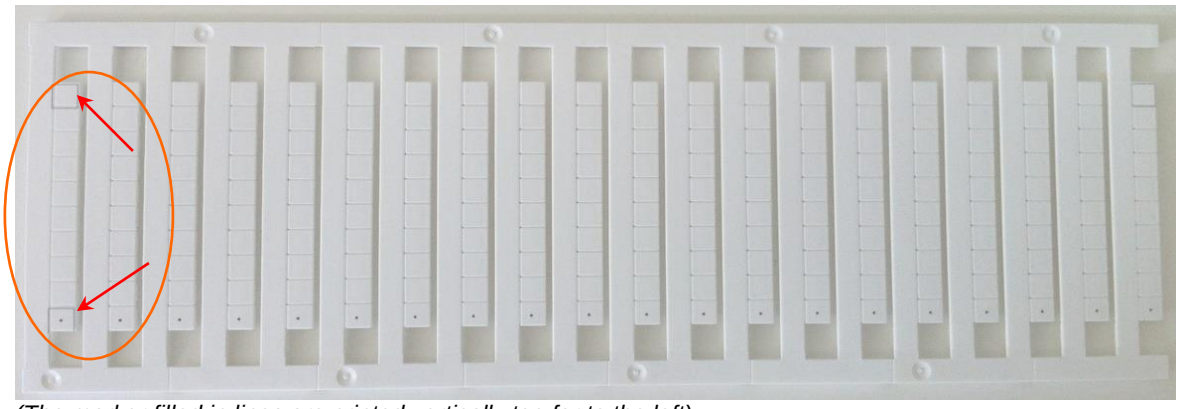
Use the Offset X and Offset Y values to shift the entire card to the right or downwards respectively. Enter negative values here in order to shift the card to the left or upwards respectively.



Below is an example of an incorrect zero point in X direction:

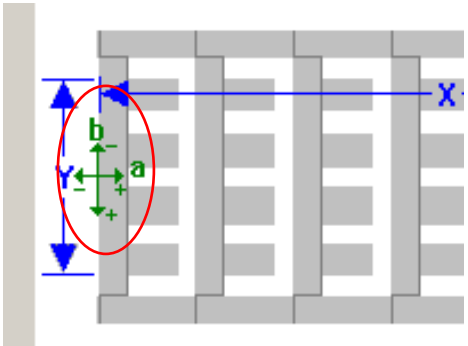
Please insert a DEK 5 / 5 MC card and click on "Test Printout" .

The printed MC looks now like this:



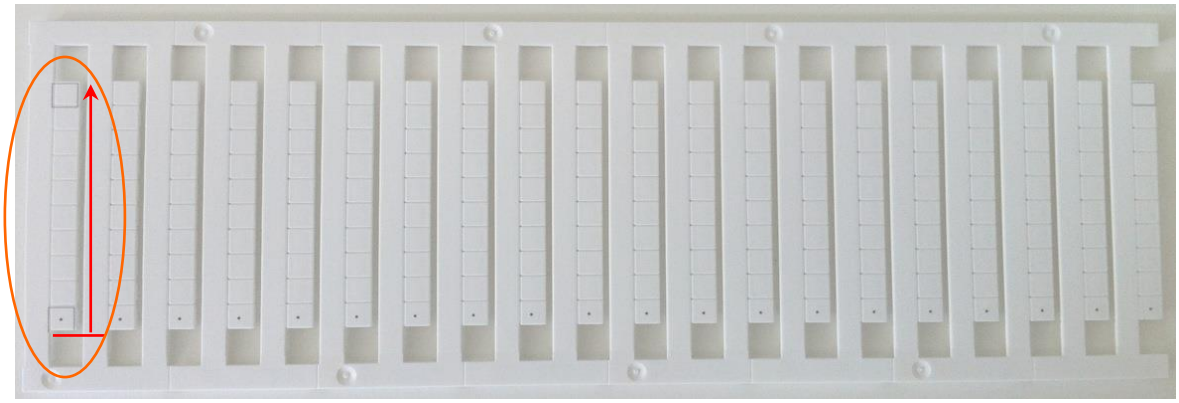
(The marker filled in lines are printed vertically too far to the left)

To make an adjustment change the value in the field for 'Offset X (a):' as shown in the Adjust Marker Type window on the previous page. In this case a positive adjustment is needed to move the text toward the center of the tag. The green arrows in the diagram show whether a positive (+) or negative (-) adjustment is needed. Negative values, such as, -0.5 can be entered in the Offset X (a) or Offset Y (b) fields.

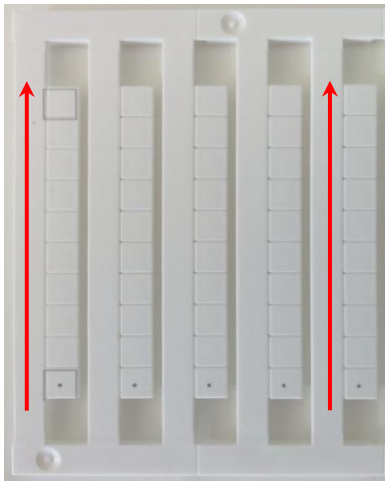


If the text prints too far to the right, the green arrow for 'a' shows a minus sign pointing to the left. Decrease the value in the field for Offset X (a). Subtracting 1 mm would move the text 1 mm to the left. Negative values, such as, -0.5 can be entered.
If the text prints too far to the left, the green arrow for 'a' shows a plus sign pointing to the right. Increase the value in the field for Offset X (a). Adding 1 mm would move the text 1 mm to the right. Negative values, such as, -0.5 can be entered.

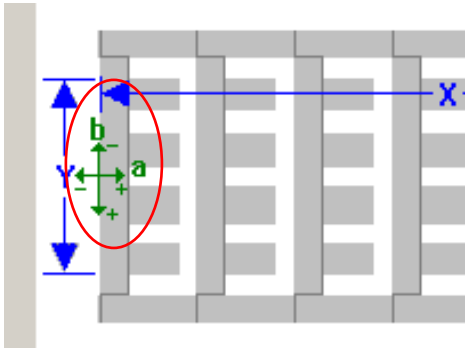
Below is an example of an incorrect zero point in Y direction:



(The marker filled in lines are printed horizontally too far down)



To make an adjustment change the value in the field for ‘Offset Y (b):



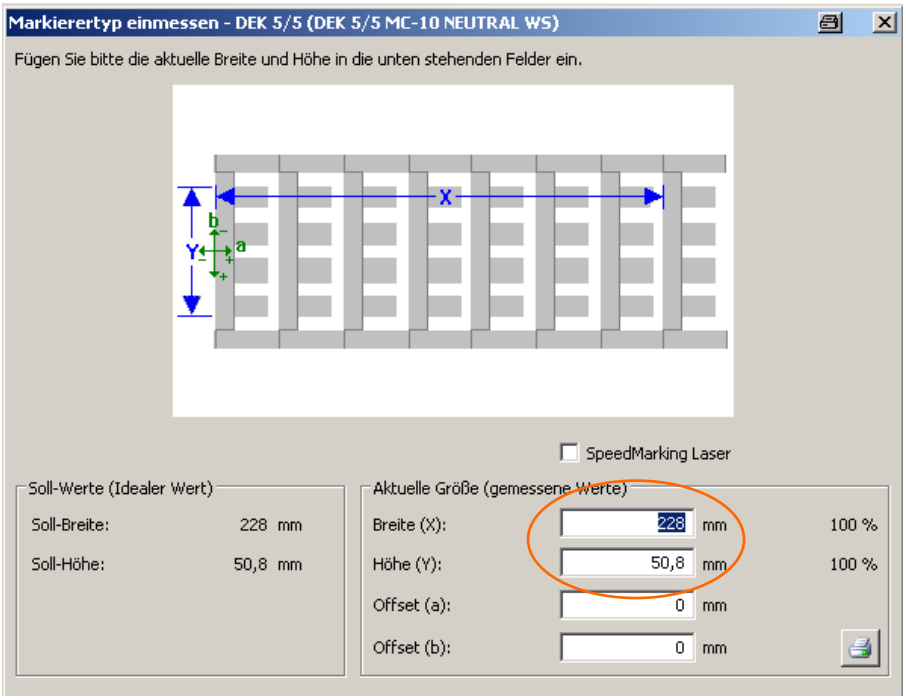
If the text prints too low, the green arrow for ‘b’ shows a minus sign pointing up. Decrease the value in the field for Offset Y (b). Subtracting 1 mm would move the text up 1 mm. Negative values, such as, -0.5 can be entered.

If the text prints too high, the green arrow for ‘b’ shows a plus sign pointing down. Increase the value in the field for Offset Y (b). Adding 1 mm would move the text down 1 mm. Negative values, such as, -0.5 can be entered.

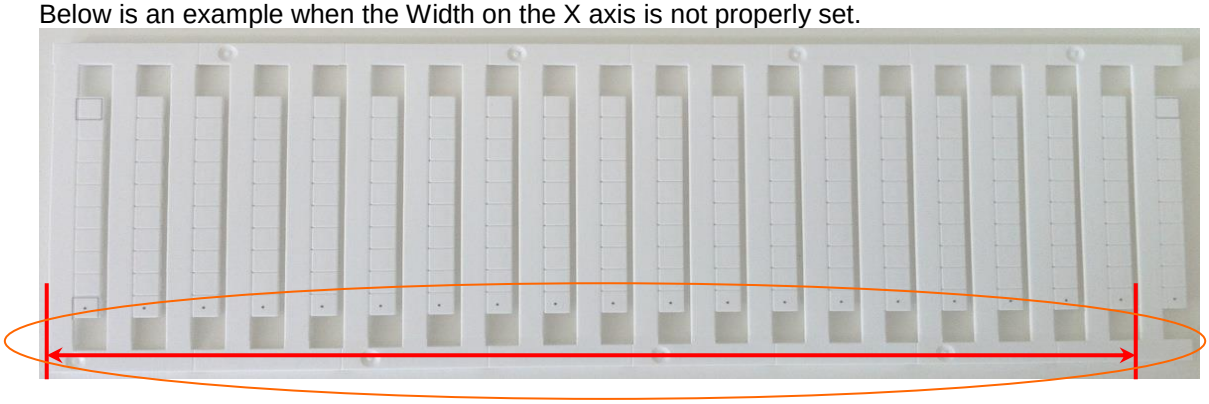
Offset adjustments are required when the text is off-center consistently going across each individual row of tags or off-center consistently going down the rows of tags on the MultiCard.

If the text is gradually drifting do not adjust the Offsets.

In this case, the values for width and height must be changed as follows:

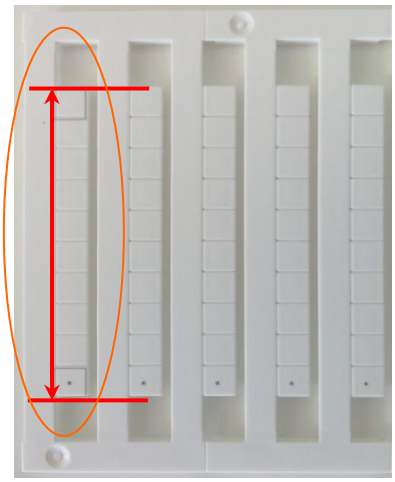


Below is an example when the Width on the X axis is not properly set.



To make an adjustment change the value in the field for 'Width X' as shown in the Adjust Marker Type window on the previous page. In this case the text on the first row of tags is centered and gradually drifts as each consecutive row of tags is printed. Use only the last row of tags as a guide to making an adjustment. Decreasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the left. Increasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the right.

Below is an example when the Height on the Y axis is not properly set.



Adjustments to 'Height Y' work in the same way as adjusting 'Width X'. In this case the first tag on the row (bottom) is centered and gradually drifts as each consecutive tag on the row is printed. Use only the last tag on the row (top) as a guide to making an adjustment. Decreasing the value in the field for Height Y by 1 mm will move the text in the image above down 1 mm. Increasing the value in the field for Height Y by 1 mm will move the text in the image above up 1 mm.

SMark Laser printer

Partnumber - 1767090000

Install printer driver HP LaserJet 6P

The printer driver supports Windows XP, Windows Vista, Windows 7 and Windows 8

Connect the SMark Laser printer to your computer via USB and turn it on. The operating system will install the HP LaserJet 6P printer driver supplied by your operating system automatically.
If the automatic detection does not work, please install the driver HP Laserjet 6P via the “Add printer Wizard” by using START -> Settings -> Printer and faxes-> Add printer.

If Windows cannot find a compatible driver, please try the one from the Printer Driver & Software DVD.

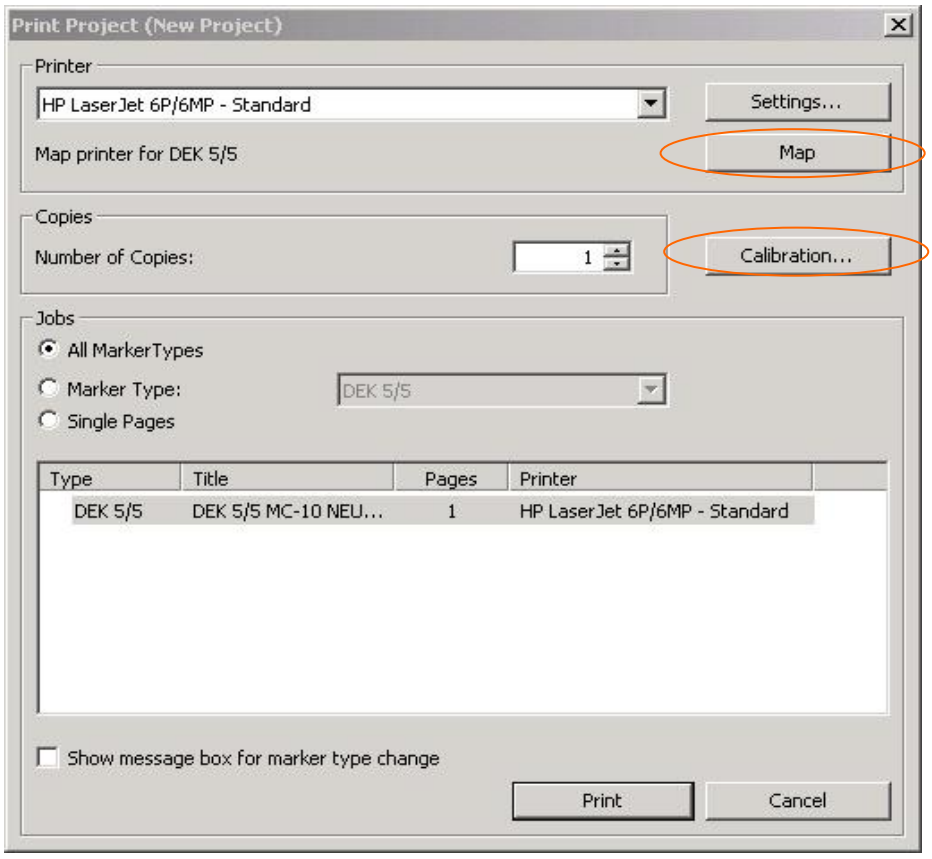
Before printing the following markertypes, please contact your local Weidmüller contact person:

- SFC x/21, x/30
- SF 5, 6
- ZS
- Adhesive marker

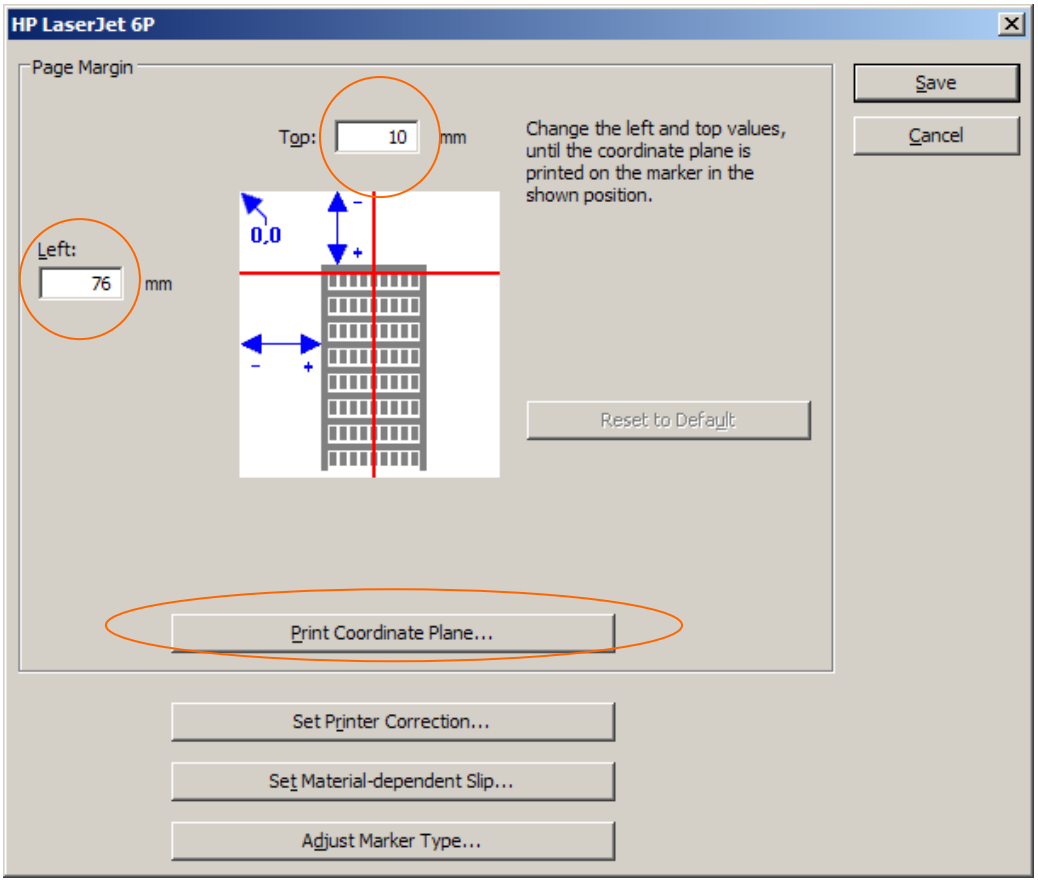
Calibrating the SMark Laser:

Start M-Print PRO and select the “DEK 5/5 MC-10 BLANK WS” MultiCard from the product catalogue. Use this card to set the optimum parameters for your SMark Laser. Go to File -> Print, select the HP LaserJet 6P Series printer driver and click on “Map”. The DEK 5/5 material is now assigned to the SMark Laser and, provided this setting is not changed, will always be printed on this printer.

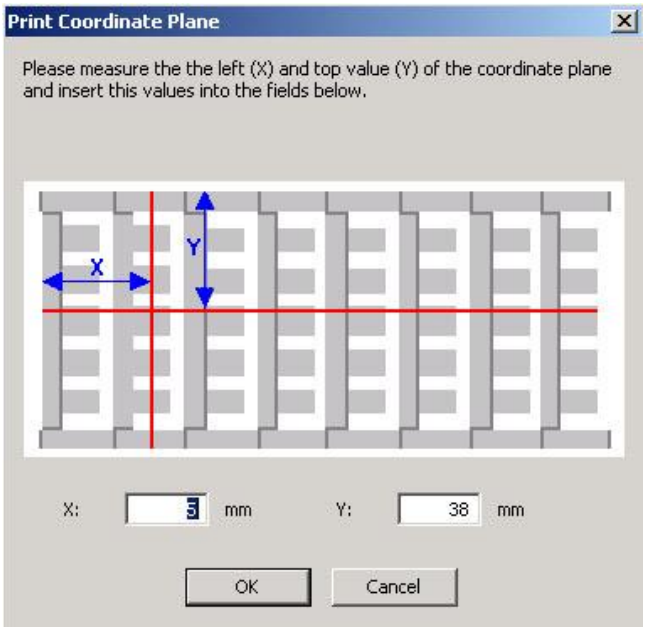
Now click on “Calibration...” in order to set the margins for your printer.



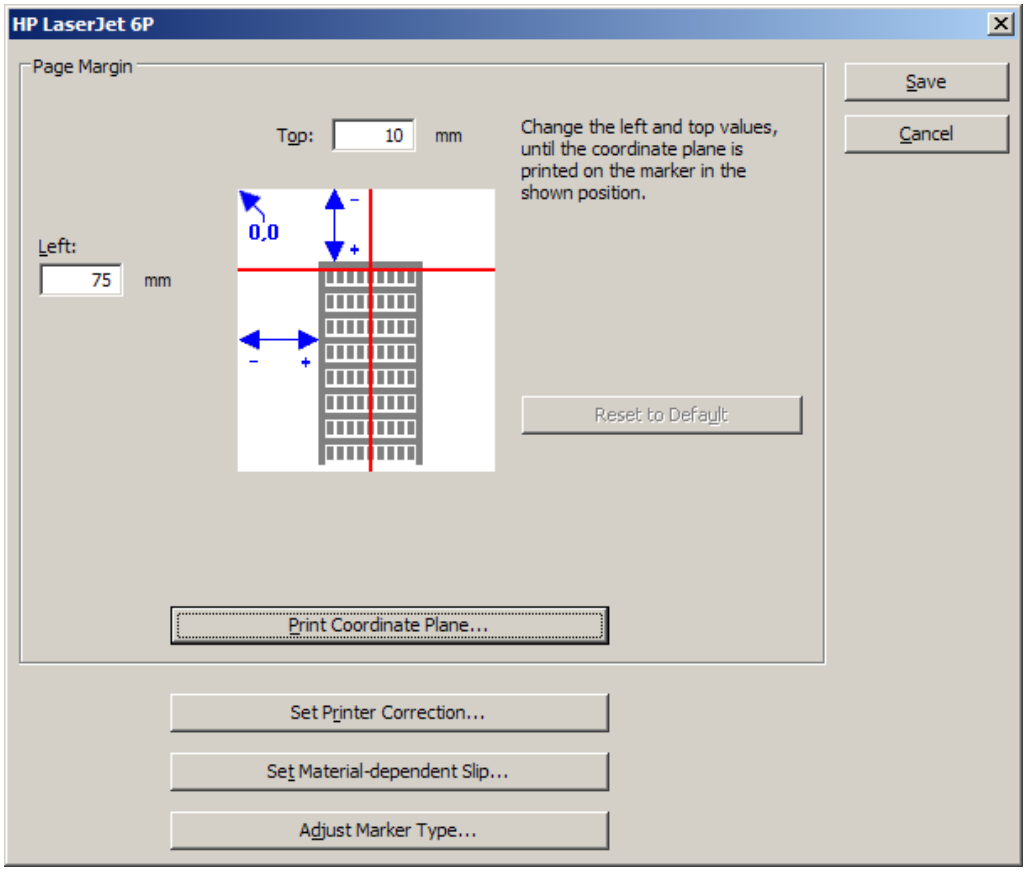
If the Page Margin is not set, please enter “76” in the box marked “Left” and “10” in the box marked “Top”.
Click on “Save” to save your entries.
Click on “Calibration...” once again.
Now print a cross representing the zero reference point on the Dekafix 5/5.



Measure the distances as shown in the screenshot below and enter these in the appropriate boxes.
Click on “OK” to confirm your entries.



The values you have entered are used to adjust the margins automatically.



You have set the margins correctly when the zero reference point for the Dekafix 5/5 lies horizontally in a centre of the card and vertically between the first project name panel and the first row of markers. To check this, print out the zero reference point with the corrected values.

The margins must be set up once for each printer because the position of the zero reference point is specific to each printer.

Save your settings.

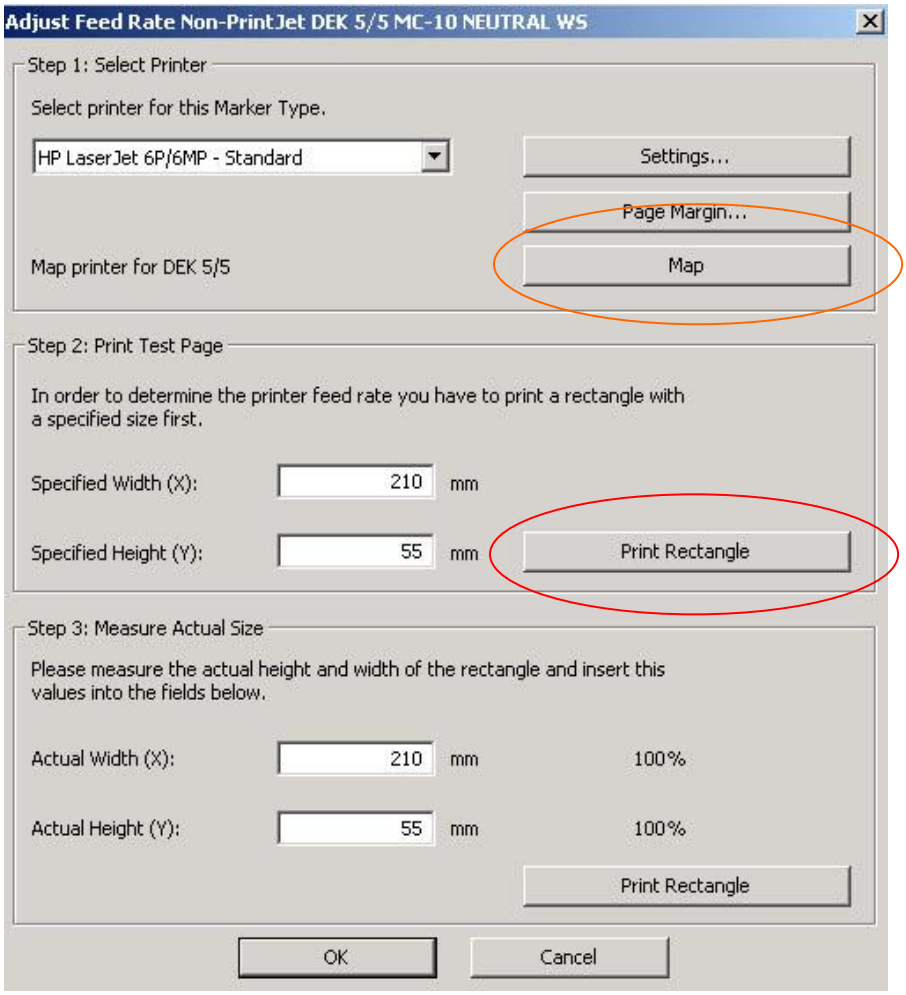
Setting marker types

Create a new project and select your marker type from the product catalogue.

Go to File -> Set Printer Correction, select in step 1 the HP LaserJet 6P/6MP - Standard printer driver and click on “Map”, provided this has not already been assigned.

In step 2 print out a rectangle with the given size.

Measure the size of the rectangle and enter these values in step 3.



It is only necessary to print out the rectangle once per marker and per printer.

Click on “OK” to confirm your entries and exit the printer menu.

Your PrintJet II has now been adjusted to the marker type you selected.

Finally, you can measure your marker type in order to compensate for physical changes in the MultiCard.

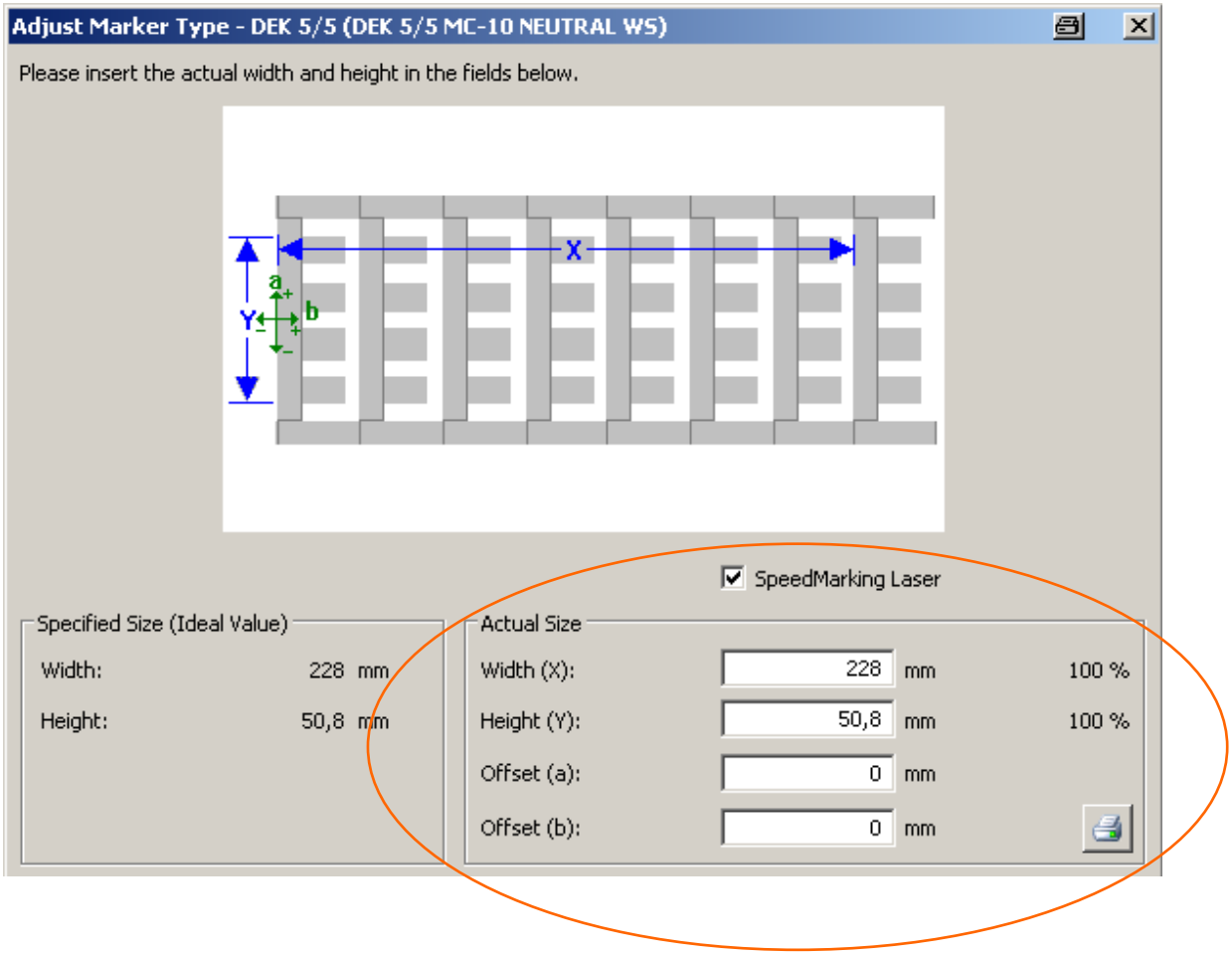
Calibrating the marker type:

You can calibrate your marker type in order to compensate for physical changes.

Go to File -> Adjust marker type to enter the values you have measured.

Measure the width (X) from the start of the first project name panel to the start of the last project name panel.
To determine the height (Y), measure from the bottom edge of the bottommost marker to the top edge of the topmost marker.

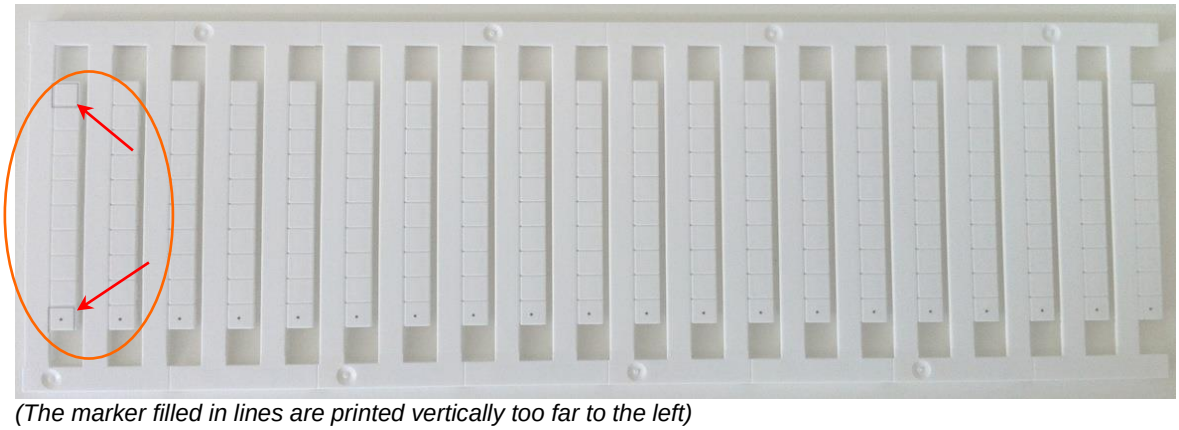
Use the Offset X and Offset Y values to shift the entire card to the right or downwards respectively. Enter negative values here in order to shift the card to the left or upwards respectively.



Below is an example of an incorrect zero point in X direction:

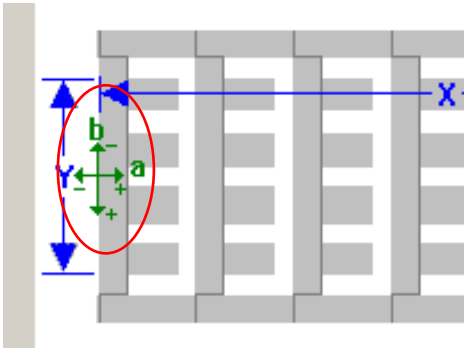
Please insert a DEK 5 / 5 MC card and click on "Test Printout" .

The printed MC looks now like this:



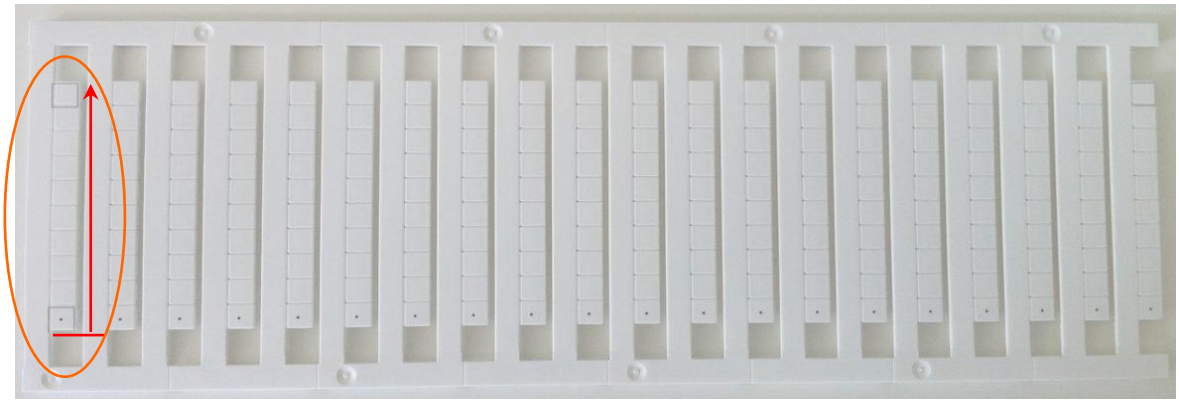
(The marker filled in lines are printed vertically too far to the left)

To make an adjustment change the value in the field for ‘Offset X (a):’ as shown in the Adjust Marker Type window on the previous page. In this case a positive adjustment is needed to move the text toward the center of the tag. The green arrows in the diagram show whether a positive (+) or negative (-) adjustment is needed. Negative values, such as, -0.5 can be entered in the Offset X (a) or Offset Y (b) fields.

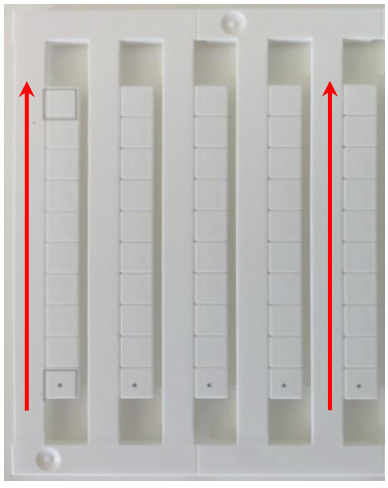


If the text prints too far to the right, the green arrow for ‘a’ shows a minus sign pointing to the left. Decrease the value in the field for Offset X (a). Subtracting 1 mm would move the text 1 mm to the left. Negative values, such as, -0.5 can be entered.
If the text prints too far to the left, the green arrow for ‘a’ shows a plus sign pointing to the right. Increase the value in the field for Offset X (a). Adding 1 mm would move the text 1 mm to the right. Negative values, such as, -0.5 can be entered.

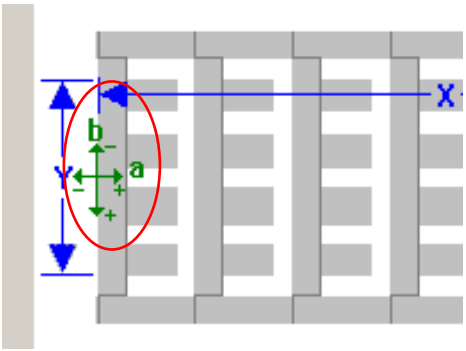
Below is an example of an incorrect zero point in Y direction:



(The marker filled in lines are printed horizontally too far down)



To make an adjustment change the value in the field for ‘Offset Y (b):



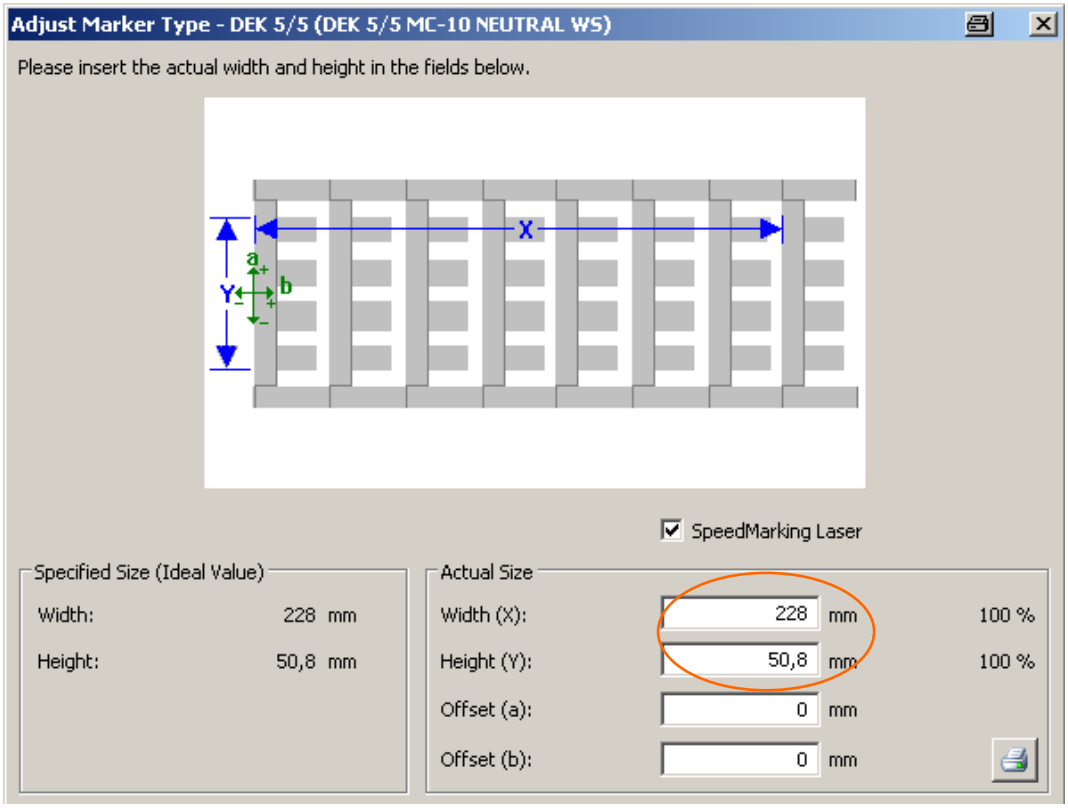
If the text prints too low, the green arrow for ‘b’ shows a minus sign pointing up. Decrease the value in the field for Offset Y (b). Subtracting 1 mm would move the text up 1 mm. Negative values, such as, -0.5 can be entered.

If the text prints too high, the green arrow for ‘b’ shows a plus sign pointing down. Increase the value in the field for Offset Y (b). Adding 1 mm would move the text down 1 mm. Negative values, such as, -0.5 can be entered.

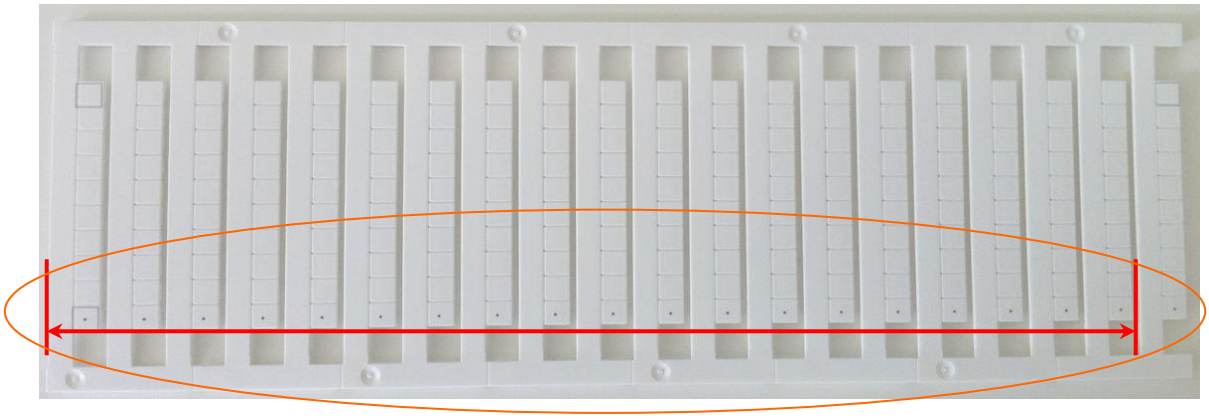
Offset adjustments are required when the text is off-center consistently going across each individual row of tags or off-center consistently going down the rows of tags on the MultiCard.

If the text is gradually drifting do not adjust the Offsets.

In this case, the values for width and height must be changed as follows:

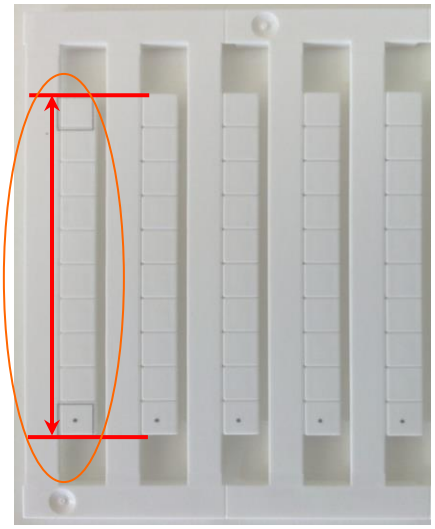


Below is an example when the Width on the X axis is not properly set.



To make an adjustment change the value in the field for ‘Width X’ as shown in the Adjust Marker Type window on the previous page. In this case the text on the first row of tags is centered and gradually drifts as each consecutive row of tags is printed. Use only the last row of tags as a guide to making an adjustment. Decreasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the left. Increasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the right.

Below is an example when the Height on the Y axis is not properly set.



Adjustments to ‘Height Y’ work in the same way as adjusting ‘Width X’. In this case the first tag on the row (bottom) is centered and gradually drifts as each consecutive tag on the row is printed. Use only the last tag on the row (top) as a guide to making an adjustment. Decreasing the value in the field for Height Y by 1 mm will move the text in the image above down 1 mm. Increasing the value in the field for Height Y by 1 mm will move the text in the image above up 1 mm.

THM Basic 300

Partnumber - 1276230000

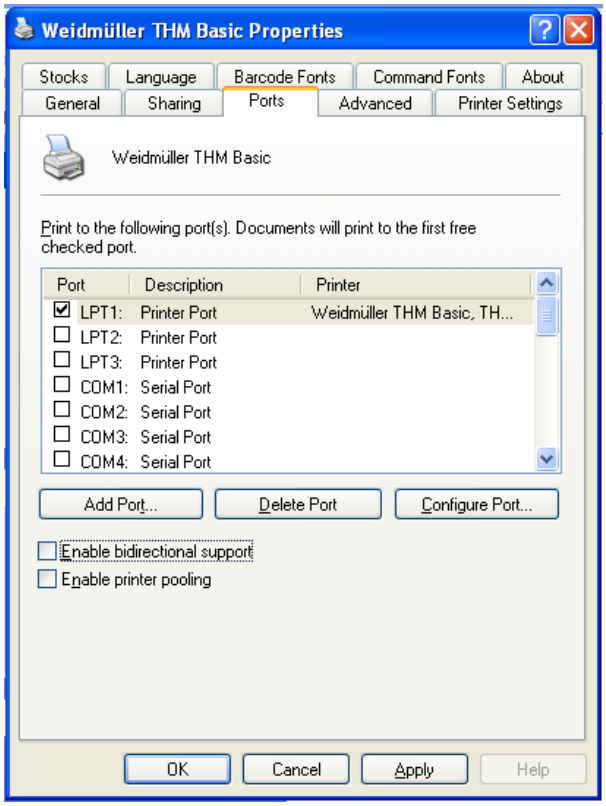
Install printer driver

The printer driver supports Windows XP, Windows Vista, Windows 7 and Windows 8

Install the “Weidmueller THM Basic 300” printer driver (available at www.weidmueller.com or on the delivered DVD).

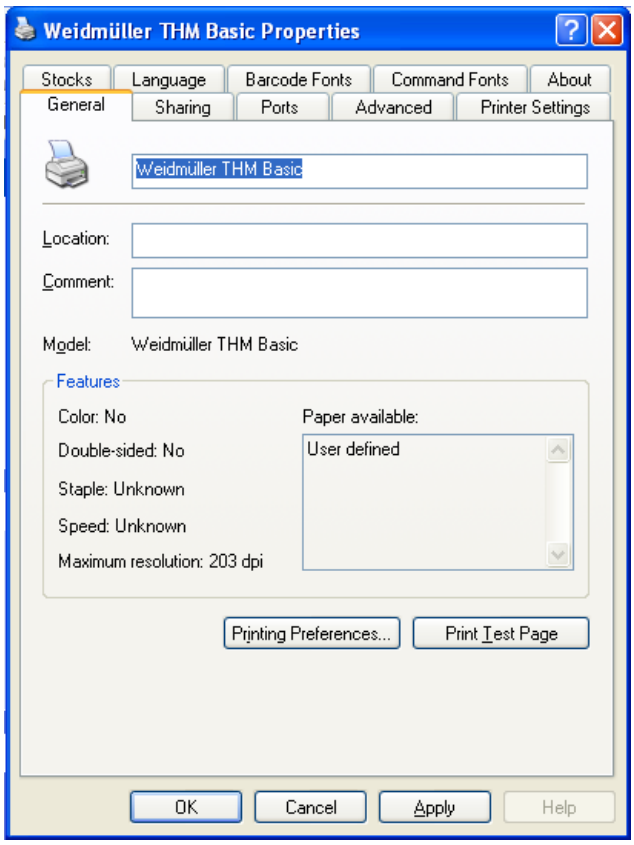
Printer driver settings

Under the "Start" menu, choose "Settings" and “Printers and faxes". Then select the Weidmueller THM Basic printer. Go to the printer properties from the “Printers" -> "Properties" menu. Switch to the "Ports" tab.

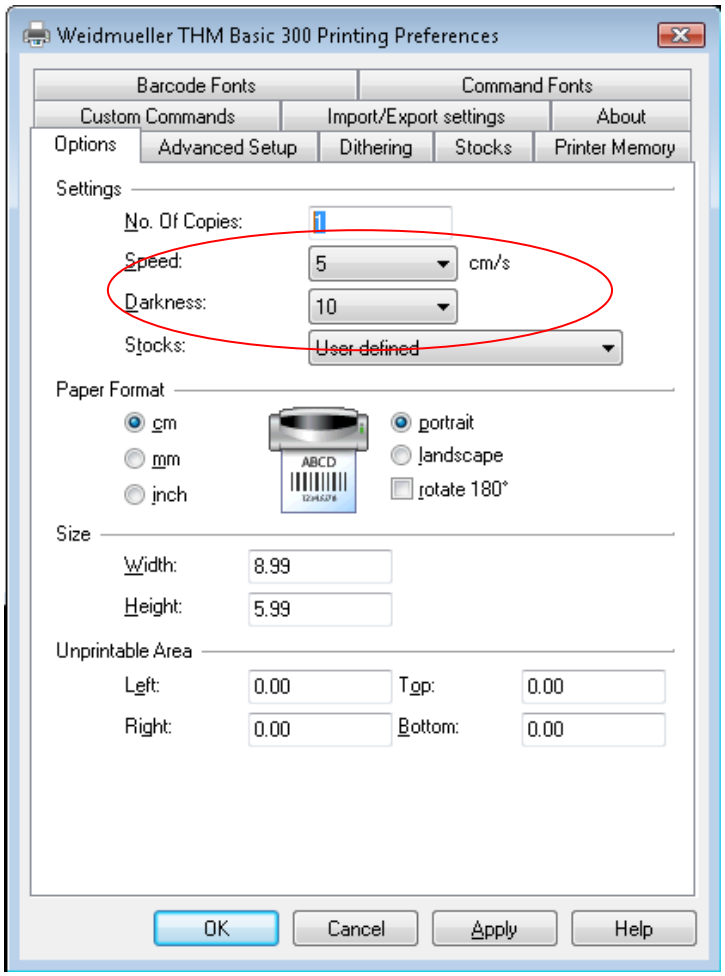


Deactivate the option for „Enable bidirectional support“. Confirm with „Apply“ and „OK“.

Switch to „General“:



And choose „Printing Preferences“ and „Options“:

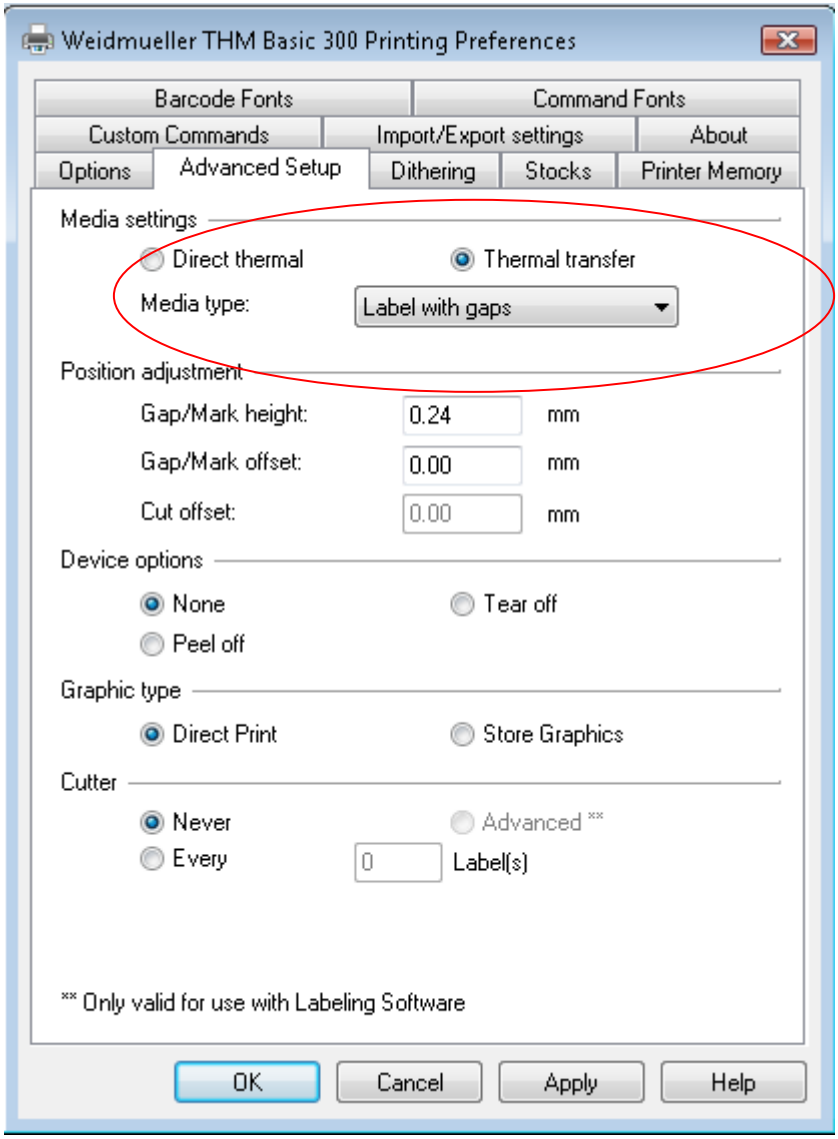


Change these settings only if the print is not optimal

Follow these Steps:

Adjust temperature.
Adjust speed.
Clean print head and print cylinder.
Check whether you are using the correct labels and transfer ribbon.
Only use high quality labels.
Set speed and temperature depending on the label. Confirm with “apply” and “ok”.

Switch to „Extended settings“:



Choose the mode „Thermal transfer“ and Media type: „Label with gaps“.
The recommended Graphic type is “Direct Print”.

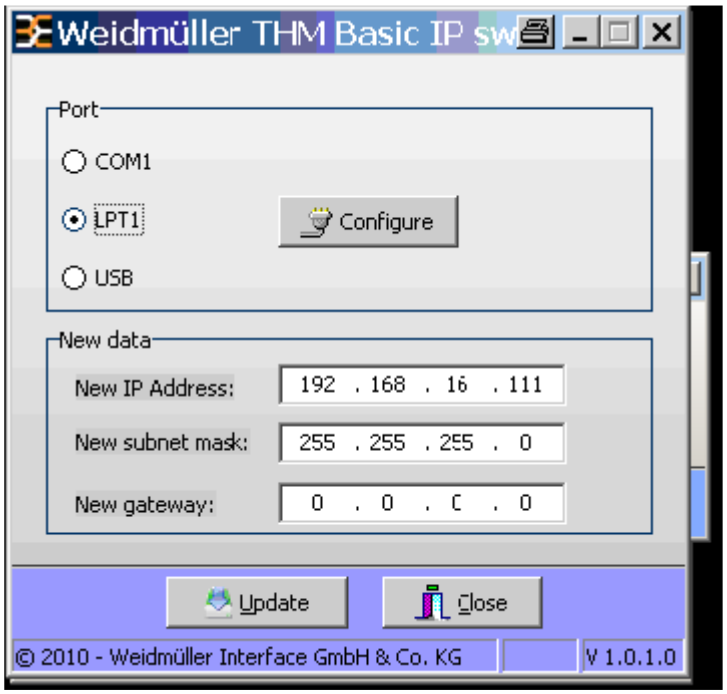
Confirm with „Apply“ and „OK“.

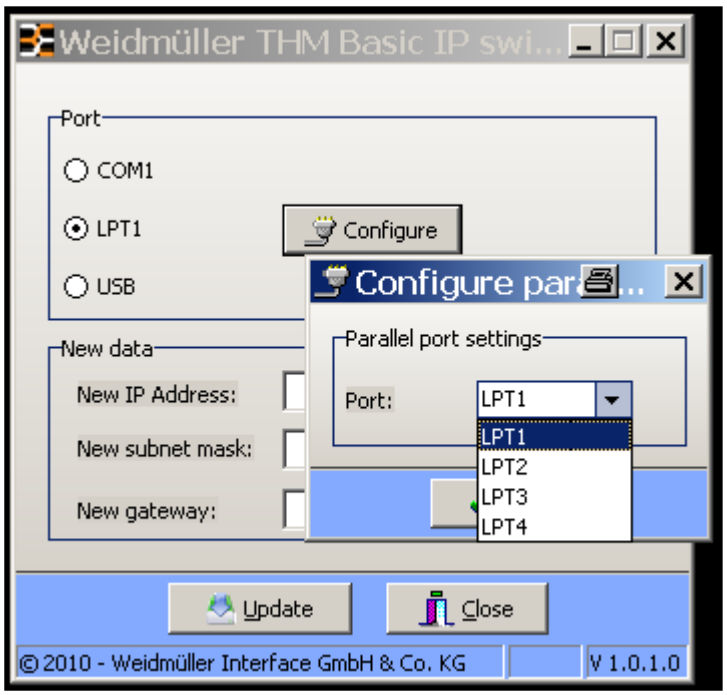
Implementation into the Network, Transmission of the IP address to the printer

1. Save the file “weidmuelleripswitch.exe” on the desktop and open the IP switch tool with a double click.
2. Connect the printer and the PC with LPT or USB port and turn the THM Basic on.

Connection with LPT

3 a. Choose LPT 1 and click on „Configure“. Select the right port of the parallel port settings and confirm it.



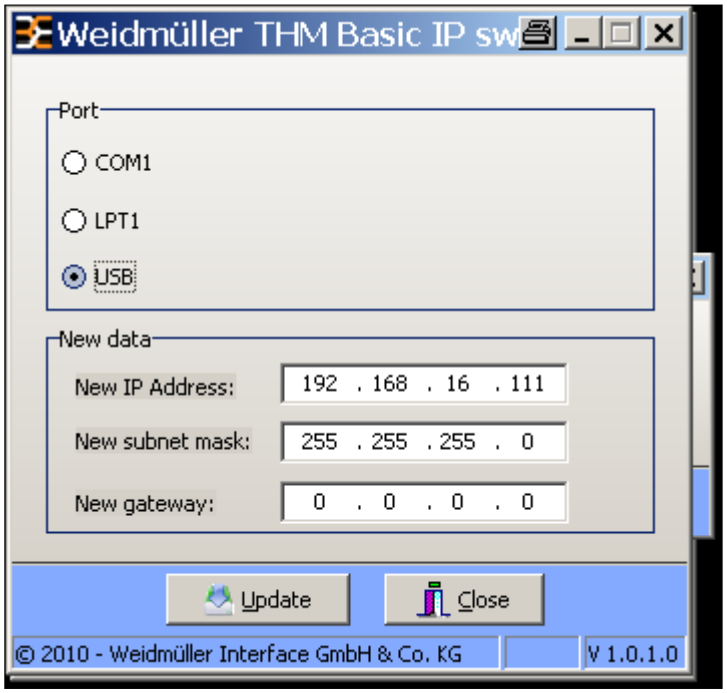


3 b. Enter in the new IP address from your administrator and if required the data of „New subnet mask“ and „New gateway“.

Please confirm and transmit the new IP data to the THM Basic printer with „Update“.
3 c. A self-test with the THM Basic shows you whether the data transfer was successful or if you have to do it twice. On the print you can see the actual “IP address”, „New subnet mask“ and „New gateway“ of the printer. For the self-test please press and hold „Cancel“ until all LED’s start to flash and then press „Pause“.
Make sure that you inserted a big label for this test in the THM Basic printer.
3 d. Please restart the process from point1, if the self-test shows you that the IP data transfer wasn’t successful. For the restart it is necessary to turn the printer of and after a view seconds on again.

Connection with USB

4 a. Choose USB



4 b. Enter in the new IP address from your administrator and if required the data of „New subnet mask“ and „New gateway“.
Please confirm and transmit the new IP data to the THM Basic printer with „Update“.
4 c. A self-test with the THM Basic shows you whether the data transfer was successful or if you have to do it twice. On the print you can see the actual “IP address”, „New subnet mask“ and „New gateway“ of the printer. For the self-test please press and hold „Cancel“ until all LED’s start to flash and then press „Pause“.
Make sure that you inserted a big label for this test in the THM Basic printer.
4 d. Please restart the process from point1, if the self-test shows you that the IP data transfer wasn’t successful. For the restart it is necessary to turn the printer of and after a view seconds on again.

THM Plus S

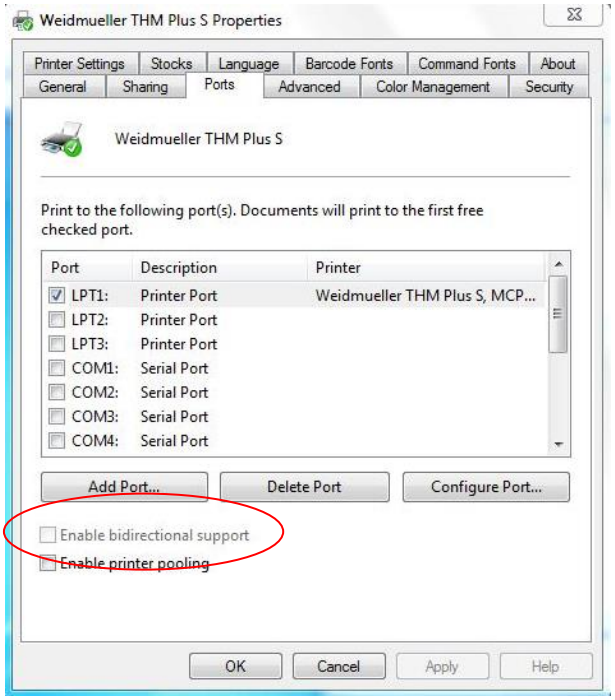
Partnumber - 1327170000

Install printer driver

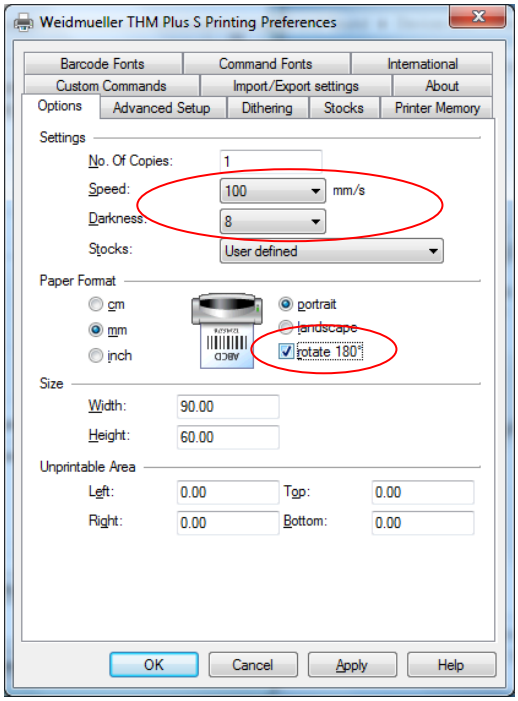
Install the “Weidmueller THM Plus S” printer driver (available at www.weidmueller.com or on the delivered DVD).
The printer driver supports Windows XP, Windows Vista, Windows 7 and Windows 8.
With USB-connection the printer will be recognized and the driver installed automatically.
Networkinstallation has to be done via the system control of the operating system. You can use the IP address created by the printer itself or define an own one by entering it via the touchscreen display.
This has to be done as follows:
Menue
Setup
Interfaces
Network
Ethernet
DHCP
OFF
Enter IP address

General printer driver settings

Under the "Start" menu, choose "Settings" and “Printers and faxes ". Then select the Weidmueller THM Plus S printer. Go to the printer properties from the “Printers " -> "Properties" menu. Switch to the "Ports" tab.



Uncheck the box of "Enable bidirectional support". Switch to the "General" tab, and click on "Printing Preferences".



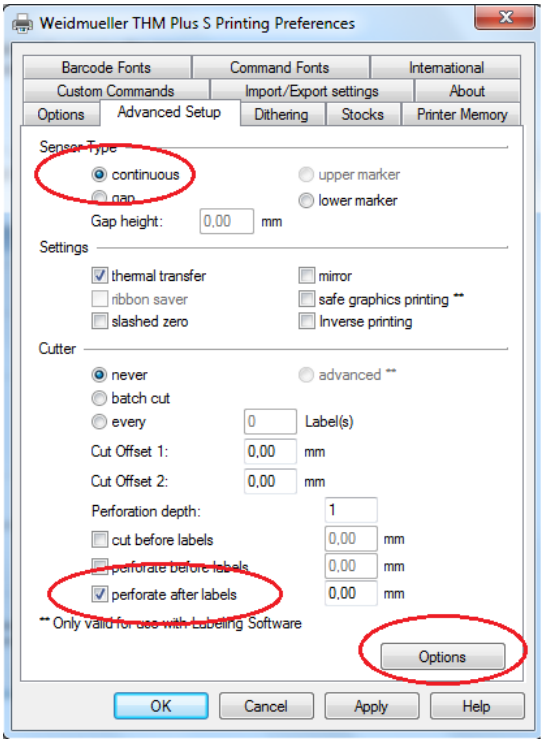
Switch to the "Options" tab. Adjust the printing **darkness to 8** and the **speed to 100 mm/s**“.
These settings depend on the used label material and have to be adjusted accordingly.
Select “rotate 180°” under “Paper Format”.

Setup perforation cutter

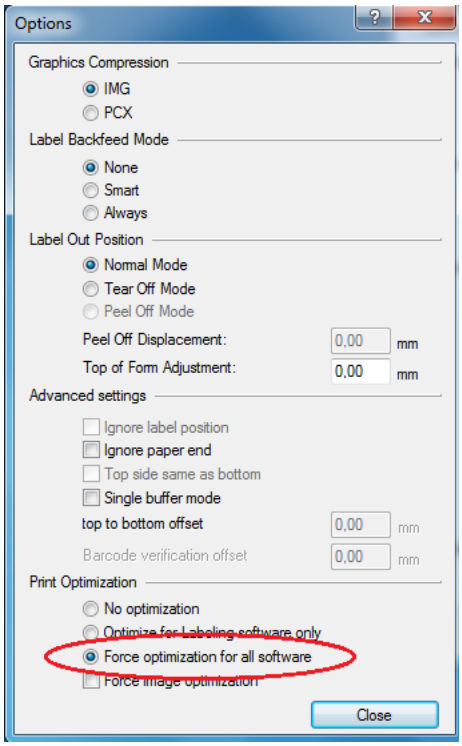
After assembling the perforation cutter and powering the printer, on the printer detects the new device automatically. At the printer you can change some settings to prepare the printer for your case of application.

Settings of the printer driver

Open the printer driver „Weidmueller THM Plus S “via „Start“ → „Devices and Printers“ → „THM PLUS S“. Then right click on „THM PLUS S“ → „Printing Preferences“ → “ Advanced Setup” make the settings on this page and click “Options” and change the settings.



Change the setting **„Sensor Type“** to **„Continuous“** and the setting **„Cutter“** to **„perforate after labels“**. Then click „Options“.



Change the setting **„Print Optimization“** to **„Force optimization for all software“.**

Settings on the Printer

You can find the parameters for the configuration of the perforation cutter on the display of the THM Plus S printer as follows:
Settings → Equipment settings → Cutter – Cut deep

Button	Parameter	Importance
	Settings	Settings
	Equipment settings	Setting print head, cutter option, display etc.
	Cutter	Configuration cutter, perforation

	Cut depth	Setting of perforation depth

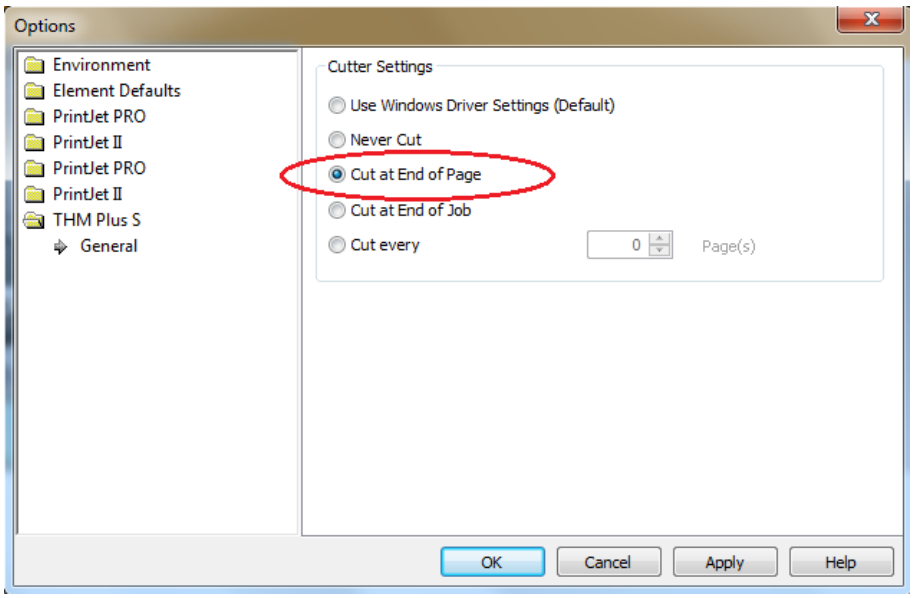
These settings differ for either cutting or perforation options. If you want to change the option or the printer, a new setting is necessary (Hardware/Software). The following table shows guidance levels for settings of the perforation option:

Please note: Guidance levels – Adjustment of the perforation depth:

	Settings of the printer driver (s. info on the former page)	**Settings of the printer** (s. info on the former page)
HSS-HF 1,2-2,4	1	-8
HSS-HF 1,6-3,2	0	-8
HSS-HF 2,4-4,8	2	-8
HSS-HF 3,2-6,4	0	-8
HSS-HF 4,8-9,5	4	0
HSS-HF 6,4-12,7	2	0
HSS-HF 9,5-19,1	2	-8
HSS-HF 12,7-25,4	4	-8

Settings in M-Print PRO

Run the M-Print PRO software. Select the requested heat shrinkable sleeve from the product catalog. Under Tools – Options - THM Plus S you will find the “Cutter Settings”.



THM Plus

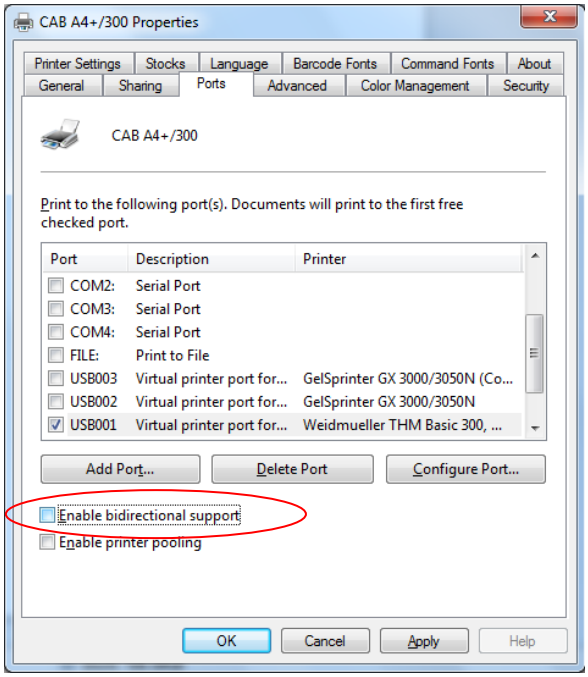
Partnumber - 1962340000

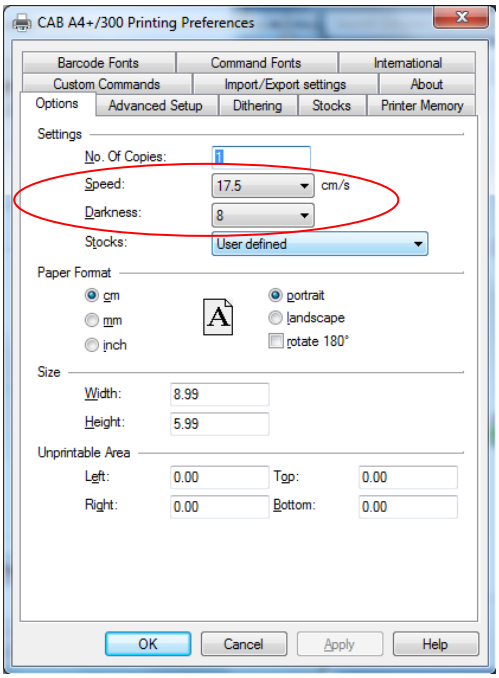
Install printer driver

Install the CAB A4+/300 printer driver (available at www.weidmueller.com or on the delivered DVD).
The printer driver supports Windows XP, Windows Vista, Windows 7 and Windows 8.

Printer driver settings

Under the "Start" menu, choose "Settings" and “Printers and faxes ". Then select the CAB A4+/300 printer. Go to the printer properties from the “Printers " -> "Properties" menu. Switch to the "Ports" tab.





Uncheck the box of "Enable bidirectional support". Switch to the "General" tab, and click on "Printing Preferences". Switch to the "Options" tab. Adjust the printing **darkness to 8** and the **speed to 17,5.** These settings depend on the used label material and have to be adjusted accordingly.

THM TwinMark

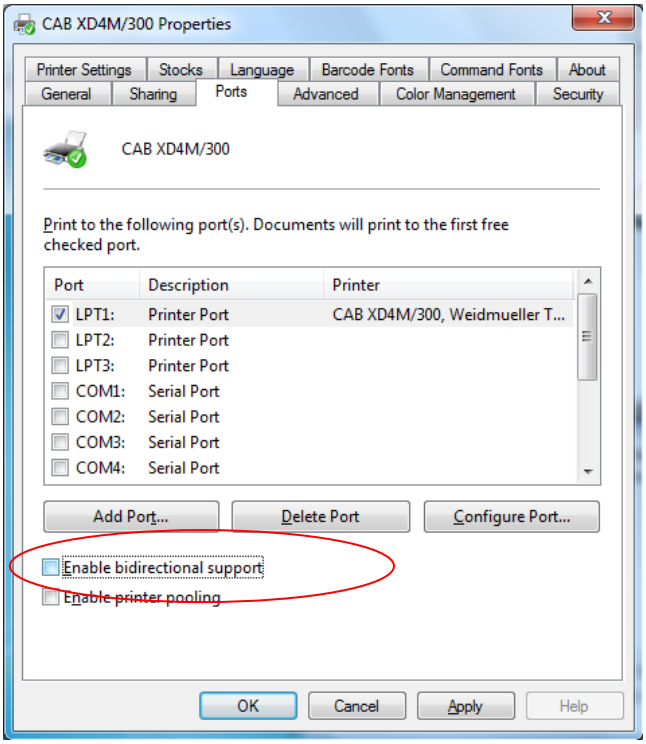
Partnumber - 1140490000

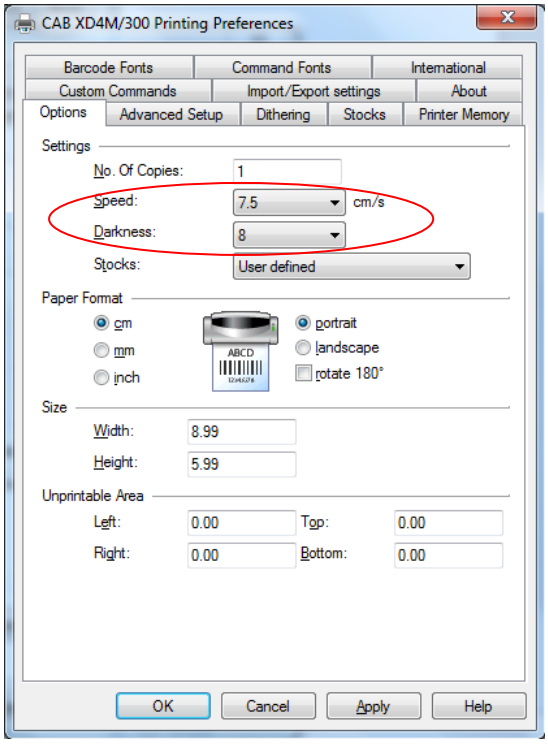
Install printer driver

Install the “CAB XD4M/300“ printer driver (available at www.weidmueller.com or on the delivered DVD).
The printer driver supports Windows XP, Windows Vista, Windows 7 and Windows 8.

Printer driver settings

Under the "Start" menu, choose "Settings" and “Printers and faxes ". Then select the CAB A4.3+/300DPI printer. Go to the printer properties from the “Printers " -> "Properties" menu. Switch to the "Ports" tab.





Uncheck the box of "Enable bidirectional support". Switch to the "General" tab, and click on "Printing Preferences". Switch to the "Options" tab. Adjust the printing **darkness to 8** and the **speed to 7,5.** These settings depend on the used label material and have to be adjusted accordingly.

MCP Basic

Partnumber - 1139400000

Install printer driver

The printer driver supports Windows 2000, Windows XP, Windows Vista, Windows 7 and Windows 8.
Type of connection: USB

Install the “MCP Basic” printer driver (available at www.weidmueller.com or on the delivered DVD).

After installation there is no need to change any settings in the printer driver!

Notice: Administrator rights are necessary to install the driver.

Extract the zip-file “Psetup” on your computer. There will be a directory called Psetup with several subdirectories.

Installation under Windows 2000/XP

Connect the MCP Basic plotter with your computer and turn it on. The “Add Printer Wizard” for new hardware will be opened.

Under Windows 2000:
Choose: “Search for a suitable driver for this device“ and then: „Add from other source”.
Use “Browse” to look for the subdirectory “W2k” from the extracted setup file. Confirm with “OK” and “Next”. The driver will be installed now.
During installation there will be the message: "The software you are installing has not passed Windows Logo testing”. Choose “Continue installation”. Then click “Ready”.

Under Windows XP:
Choose: „ Install from a list or specific source“ and click „Next“.
In the following window please select: „ Search fort he best driver in these locations“. And activate the option “Include this location in the search”.
Click on “Browse” and search for the subdirectory “XP” in the extracted setup-files. Confirm with “OK” and click “Next”. The driver will be installed now.
During installation there will be the message: "The software you are installing has not passed Windows Logo testing”. Choose “Continue installation”. Then click “Ready”.

Installation under Windows VISTA:

Before connecting the MCP Basic to your computer:

Search for the directory „Vista_32“ from the extracted setup-files.
Execute the file: „setup.bat“.
During the installation there will be a message: "The publisher could not be verified. Are you sure you want to install this driver software?"
„Allow unsigned driver installation“.

The printer driver is now preinstalled. The MCP Basic plotter can be connected now or later. The driver will be set automatically.

Installation under Windows 7:

Look at the installation under Windows VISTA and proceed similar. Only difference is the name of the necessary subdirectory for the setup file e.g.: W7_32 for the 32-Bit version of operating system.

Important: Do not set the Plotter as your standard printer, since the driver is certified by Microsoft.

Installation under Windows 8 (32 Bit):
Look at the installation under Windows VISTA and proceed similar. Only difference is the name of the necessary subdirectory for the setup file e.g.: W7_32 for the 32-Bit version of operating system.

Important: Do not set the Plotter as your standard printer, since the driver is certified by Microsoft.

Installation under Windows 8 (64 Bit):

1. Turn the plotter off and unplug the data cable
2. Press Windows Key (⊞) +R and enter **shutdown.exe /r /o /f /t 00** to reboot.
   Attention: Before executing this command save all data and shut down relevant programs.
3. Click „Toubleshoot“
4. Click „Advanced Options“
5. Click „Windows Startup Settings“
6. Click „Restart“
7. Select „Disable driver signature enforcement“ in the list of startup settings with F7
8. Windows will now reboot
9. Login and navigate to the folder where the drivers are located
10. Right click on MCP.inf in the folder w7_64 and select „Install”
11. Confirm to install the not certified driver
12. Plugin the data cable and turn the plotter on. The device will now be recognised and is available for use.

Important: Do not set the Plotter as your standard printer, since the driver is certified by Microsoft.

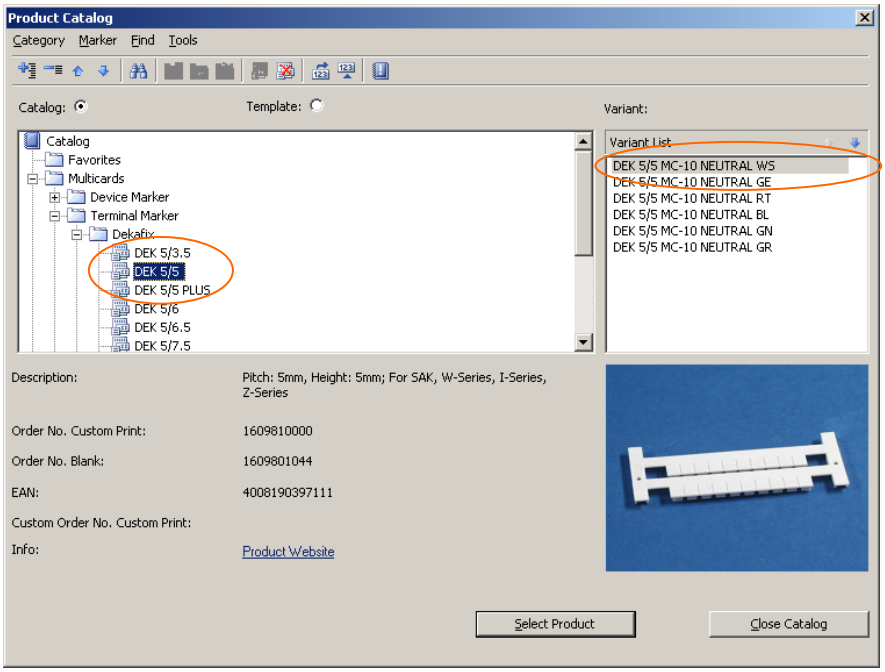
Note:
- In former versions of Windows 8 the plotter might not be shown in the control panel at „Devices and Printers“, nevertheless, it should be available in M-Print® PRO.

Setup plotter with M-Print PRO

1. Start the plotter and insert a MultiCard marker e.g. DEK 5/5 into the frame for the plotter. Place a transparent foil over the mat and the zero point cross.

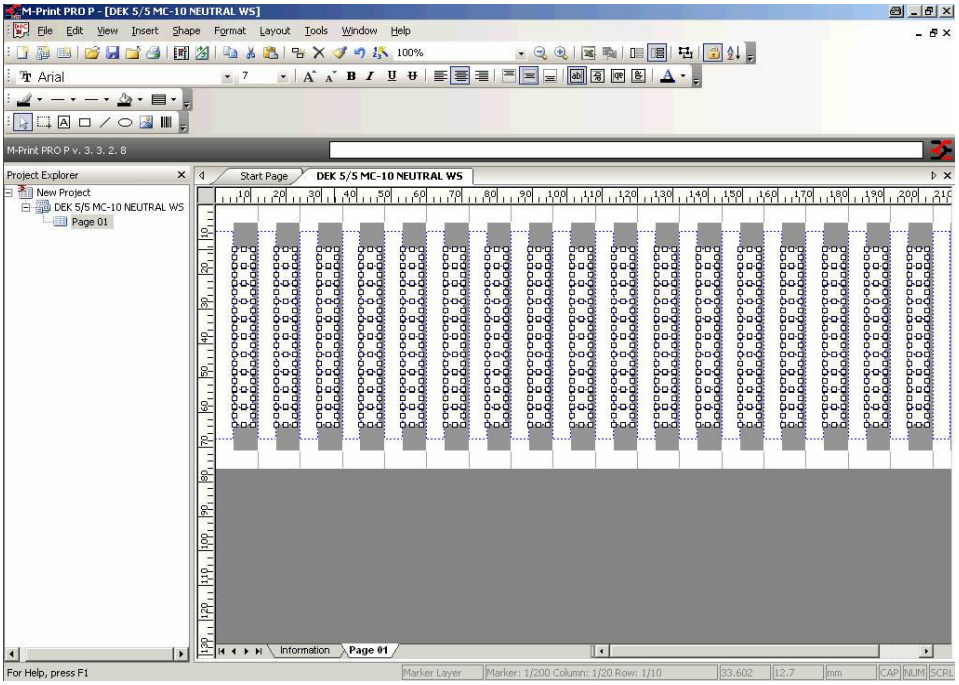
2. Start the M-Print PRO software via the program icon on the desktop.

3. Select in the left field of the product catalogue the categories MultiCards – *Terminal Marker* – DEK 5/5 by clicking twice. On the right side choose the icon DEK 5/5 MC-10 NEUTRAL WS. Confirm by clicking the button *Select Product*.

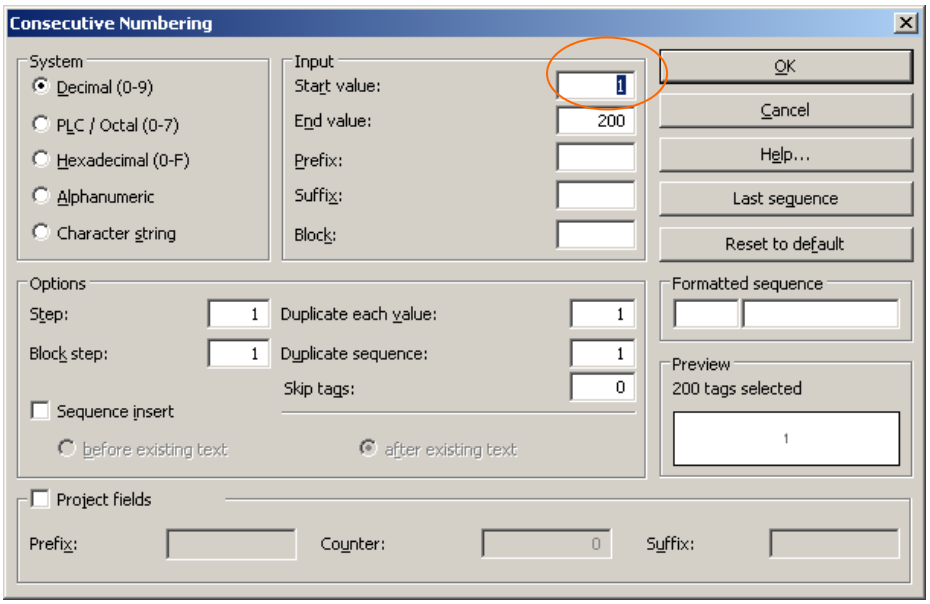


4. The MultiCard DEK 5/5 appears. To activate the plot mode choose under menu *File* the icon *Toggle Plot Mode*.

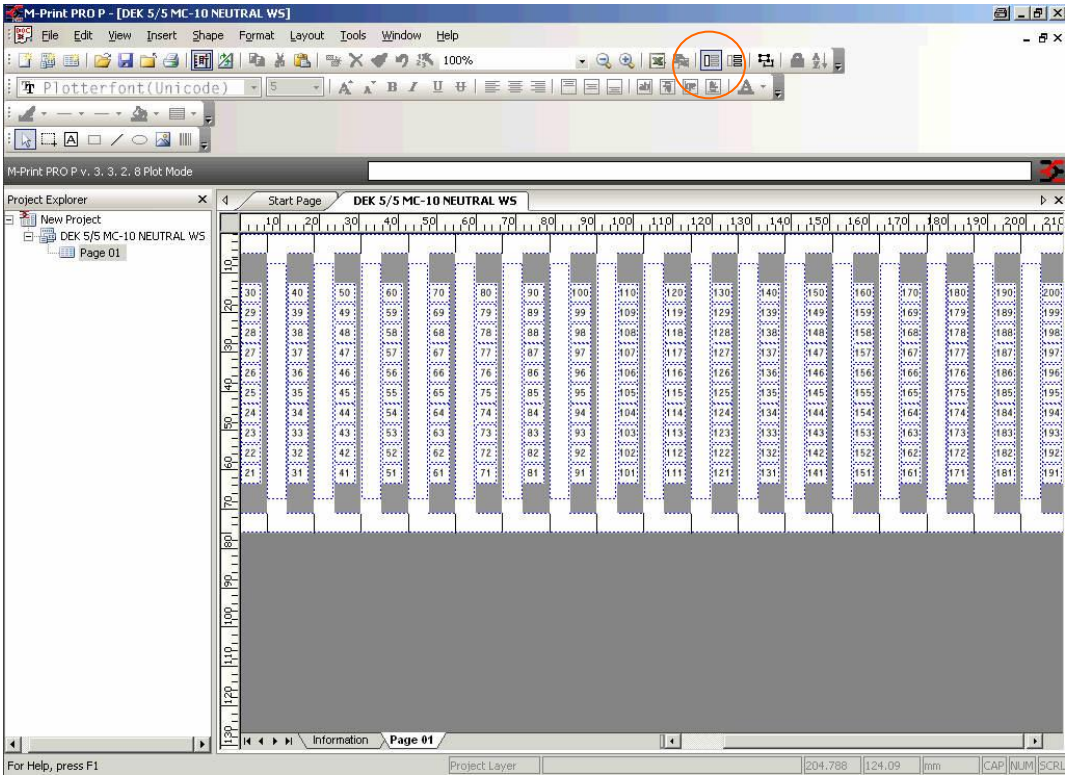
5. Push the shortcut *Ctrl+A*. All markers have been selected



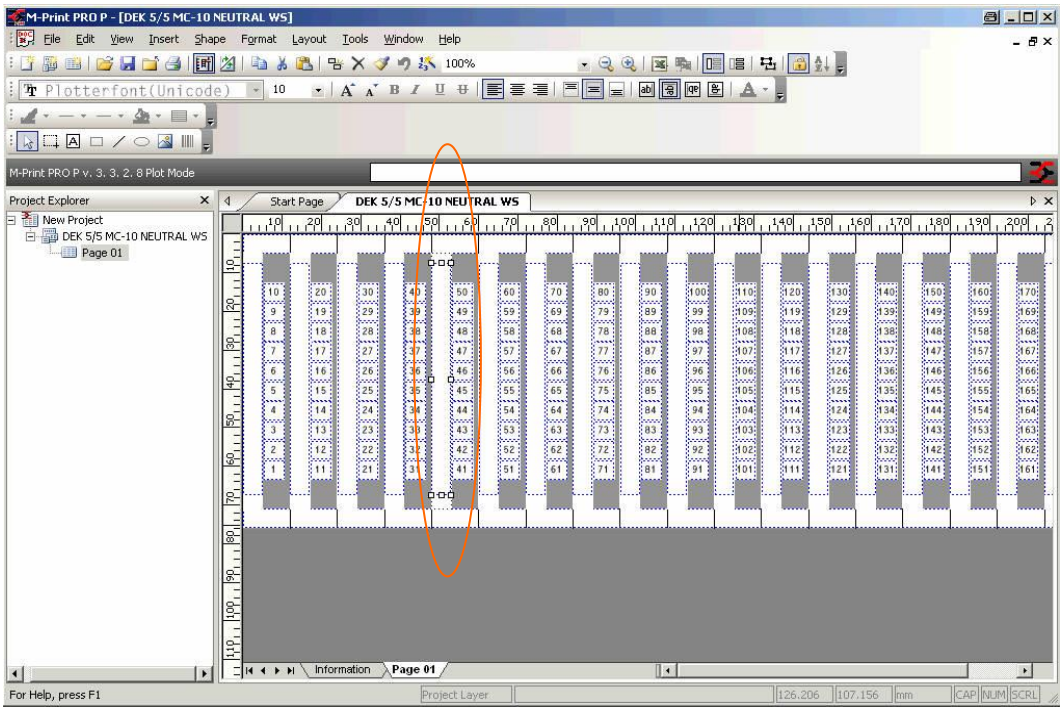
Choose key *F8* or proceed via *Insert* to the window *Consecutive Numbering*. The start and end values are automatically defined from 1 to 200. You leave this window by clicking on the button *OK*.



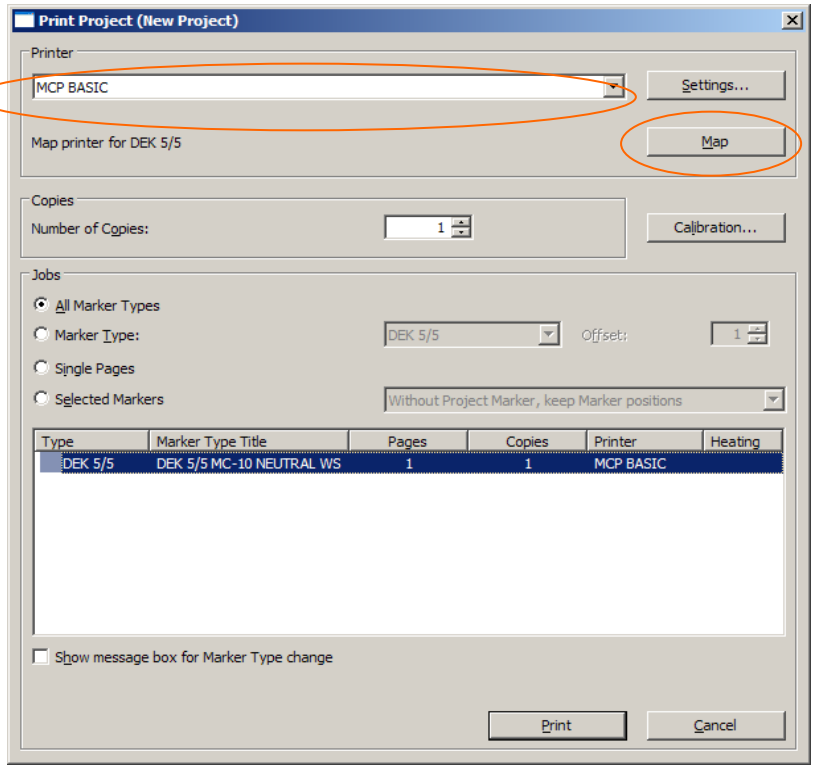
6. The markers are labelled from 1 to 200. To label the project field you have to change to the Project Layer. Choose the button *Project Layer*.



7. Click to the first project field. This has now been selected. You can start to label it. When pushing *Enter* you switch to the next project field which can also activated with the mouse. Label all project fields.

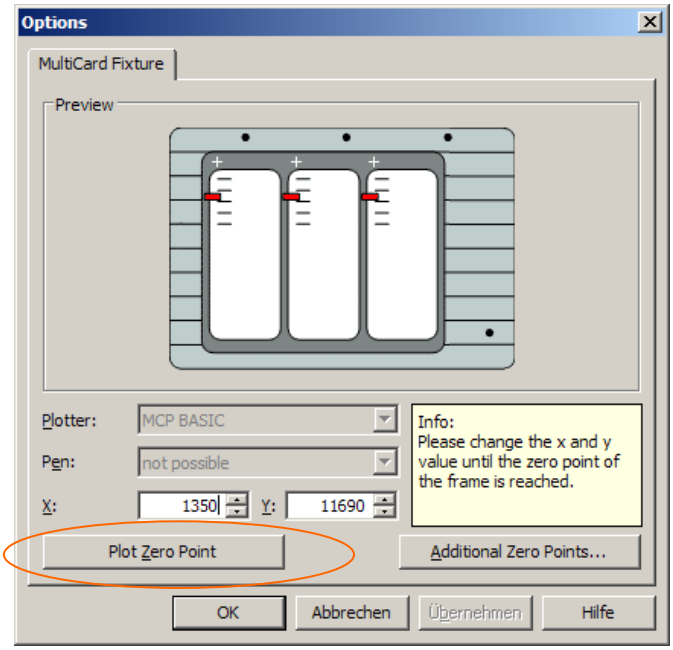


8. Choose the icon *Print* in the menu *File*. The print window opens. Select printer *MCP Basic* or *Generic Text only* then click to the button *Map*.



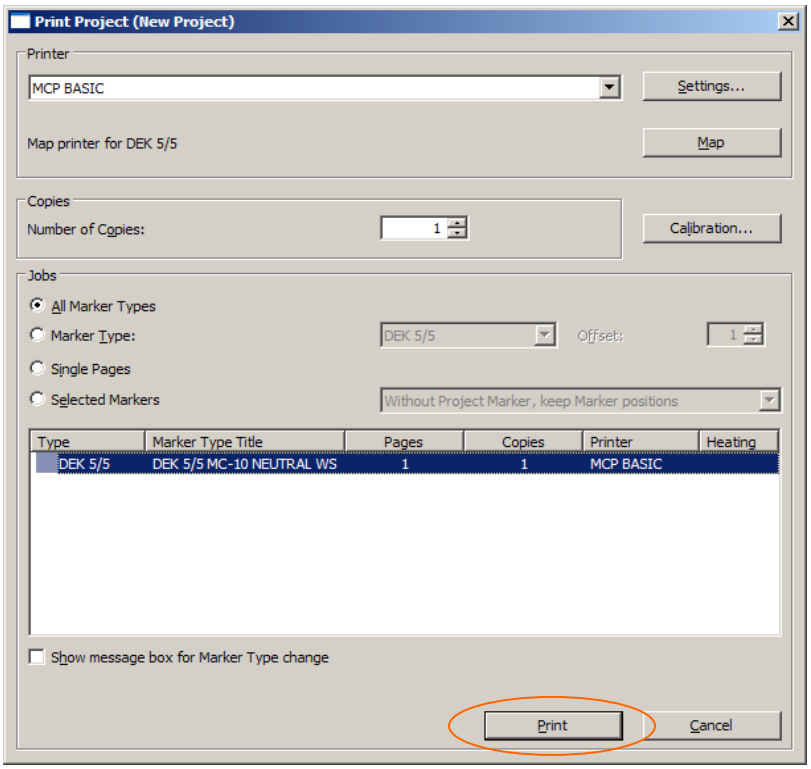
9. The window *Map* appears. The output device must be assigned “As MCP Basic” and confirmed with *OK*.

10. Now the zero point should be checked. Click to the button *Calibration* and in the next window on the button *Zero Points…* The window for defining the zero point appears. The values of the zero point are pre-defined. Choose the button *Plot Zero Point*.

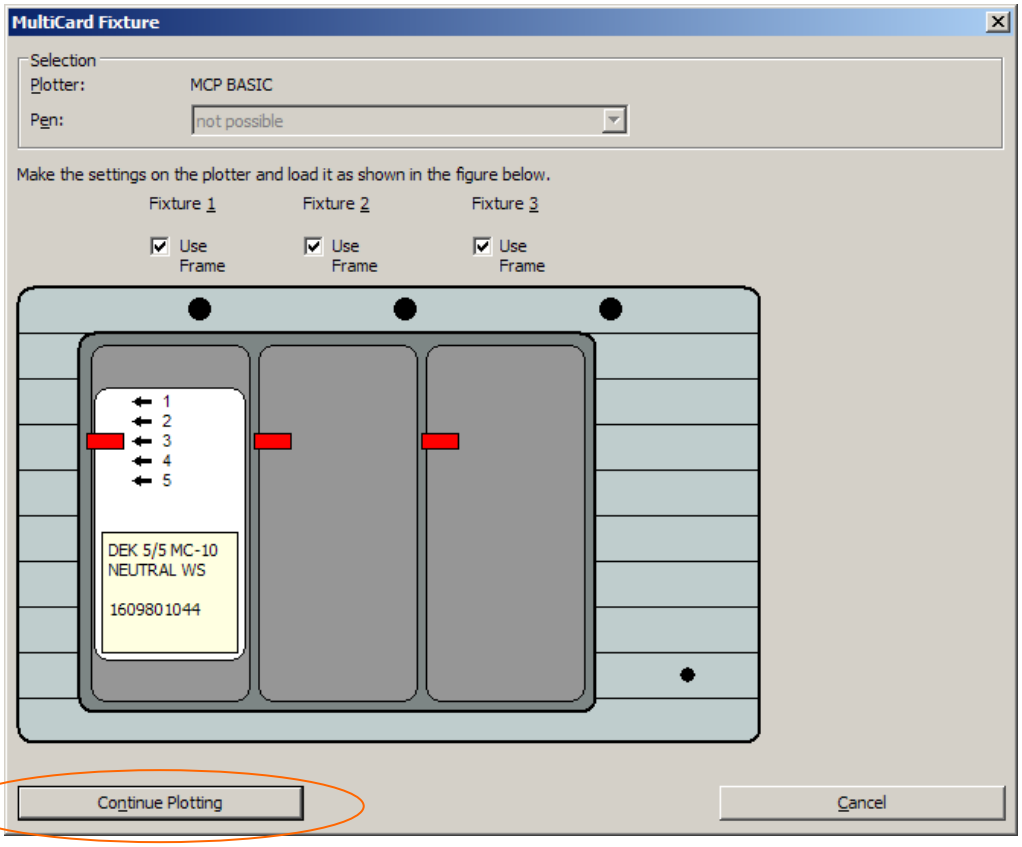


11. The zero point has been plotted to the foil. Should the plotted cross differ from the one on the frame, modify the values of the zero point correspondingly. Restart plotting of the zero point. If both crosses match confirm the window with the buttons *Accept* and *OK*.

12. Plotting can be started. Click to the button *Print*.



13. The plot preview appears. The pen station has to be assigned correctly and the Inlay must be inserted correspondingly to the position on the screen. When clicking to the button *Continue Plotting* the frame shown on the screen is plotted.



Calibrating the marker type

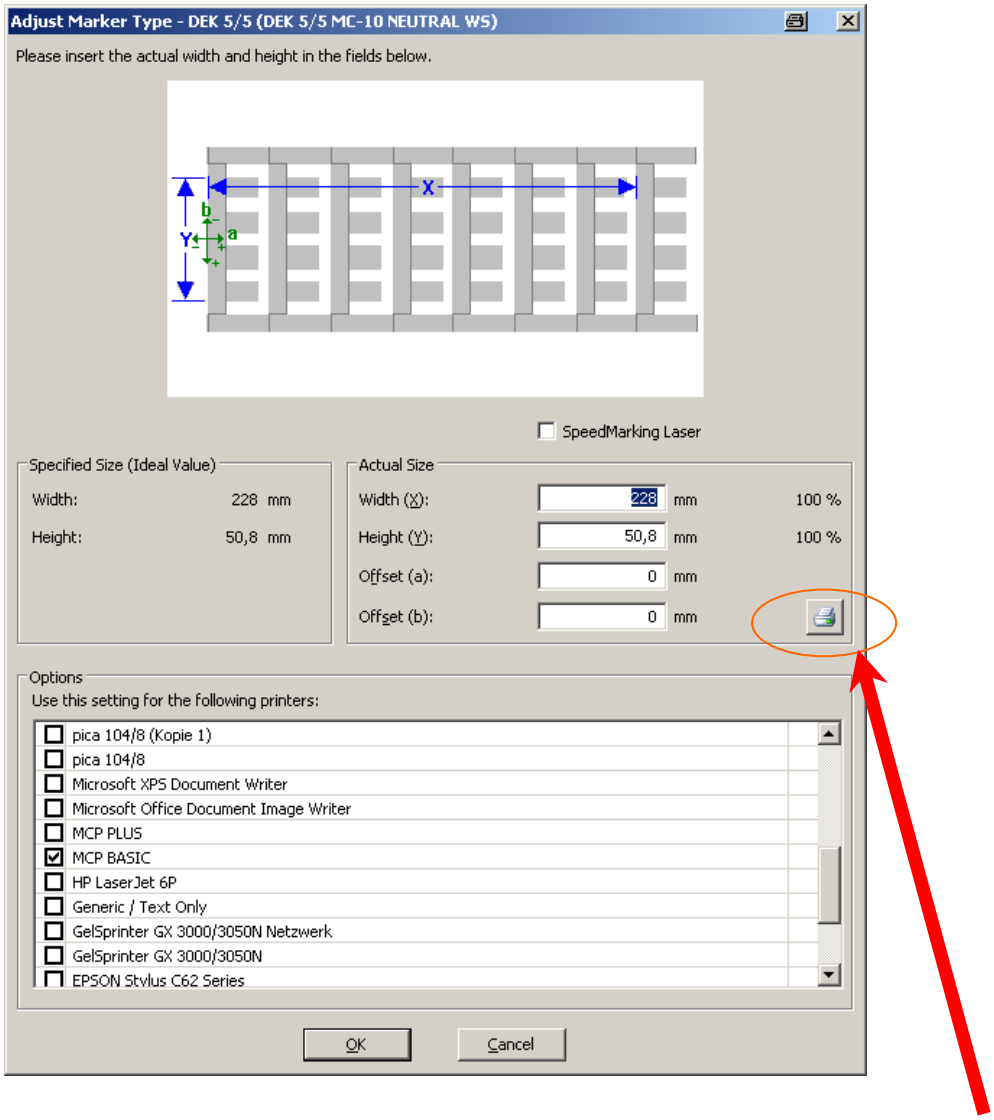
You can calibrate your marker type in order to compensate for physical changes.

Go to File -> Adjust marker type to enter the values you have measured.

Measure the width (X) from the start of the first project name panel to the start of the last project name panel.

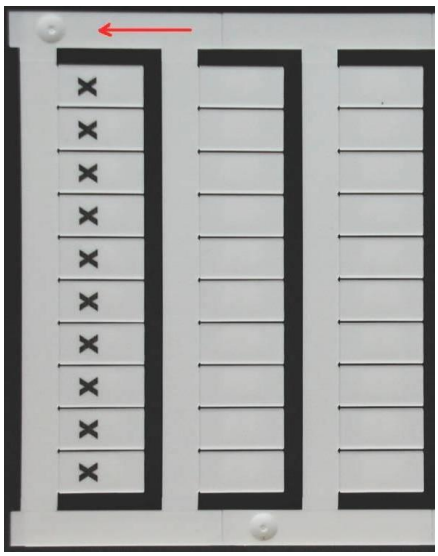
To determine the height (Y), measure from the bottom edge of the bottom most marker to the top edge of the topmost marker.

Use the Offset X and Offset Y values to shift the entire card to the right or downwards respectively. Enter negative values here in order to shift the card to the left or upwards respectively.

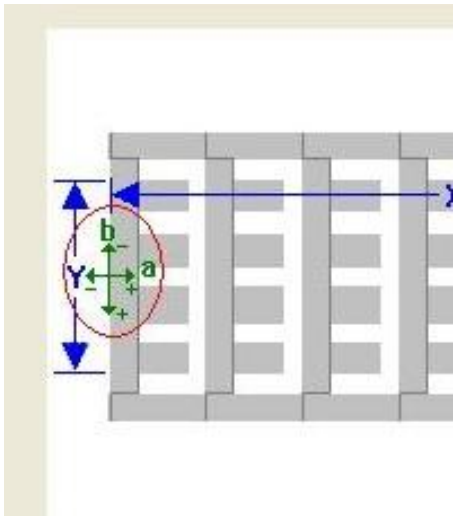


Notice: *When using the MCP Basic Plotter this option for testprint is deactivated!*

Below is an example when the Offset on the X axis is not properly set.

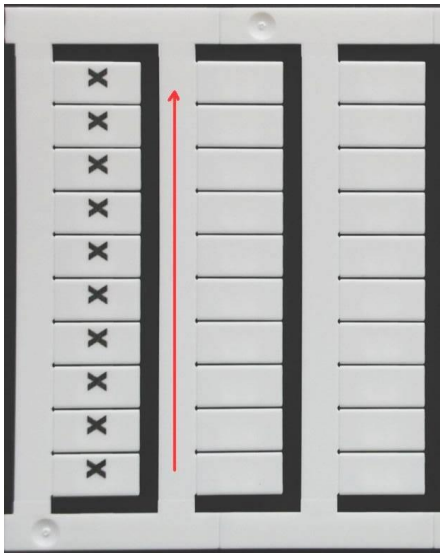


To make an adjustment change the value in the field for ‘Offset X (a):’ as shown in the Adjust Marker Type window on the previous page. In this case a positive adjustment is needed to move the text toward the center of the tag. The green arrows in the diagram show whether a positive (+) or negative (-) adjustment is needed. Negative values, such as, -0.5 can be entered in the Offset X (a) or Offset Y (b) fields.

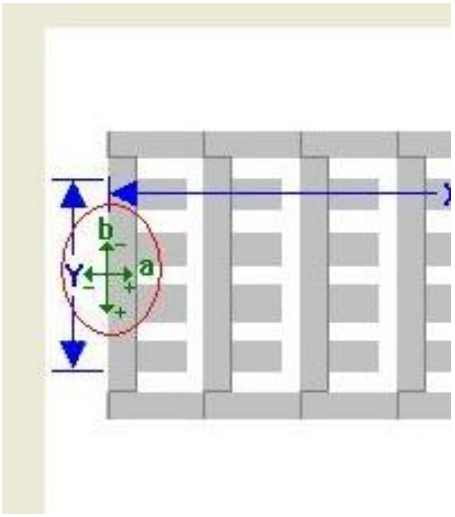


If the text prints too far to the right, the green arrow for ‘a’ shows a minus sign pointing to the left. Decrease the value in the field for Offset X (a). Subtracting 1 mm would move the text 1 mm to the left. Negative values, such as, -0.5 can be entered.
If the text prints too far to the left, the green arrow for ‘a’ shows a plus sign pointing to the right. Increase the value in the field for Offset X (a). Adding 1 mm would move the text 1 mm to the right. Negative values, such as, -0.5 can be entered.

Below is an example when the Offset on the Y axis is not properly set.



To make an adjustment change the value in the field for ‘Offset Y (b):’

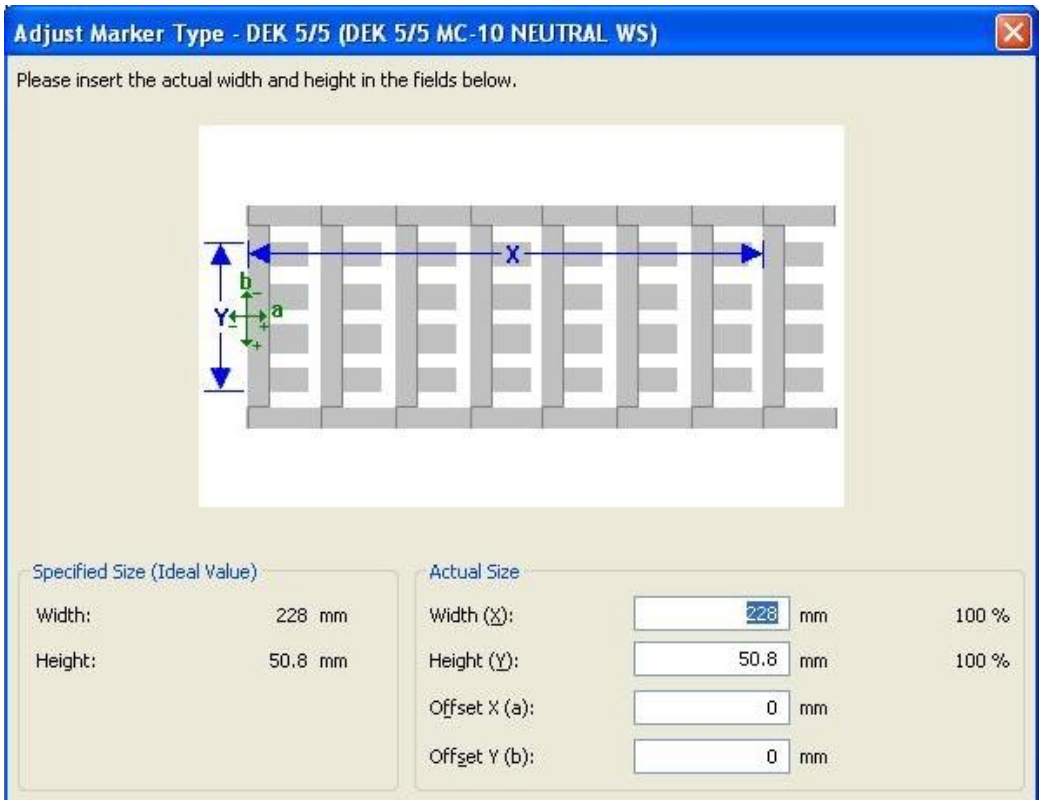


If the text prints too low, the green arrow for ‘b’ shows a minus sign pointing up. Decrease the value in the field for Offset Y (b). Subtracting 1 mm would move the text up 1 mm. Negative values, such as, -0.5 can be entered.

If the text prints too high, the green arrow for ‘b’ shows a plus sign pointing down. Increase the value in the field for Offset Y (b). Adding 1 mm would move the text down 1 mm. Negative values, such as, -0.5 can be entered.

Offset adjustments are required when the text is off-center consistently going across each individual row of tags or off-center consistently going down the rows of tags on the MultiCard.

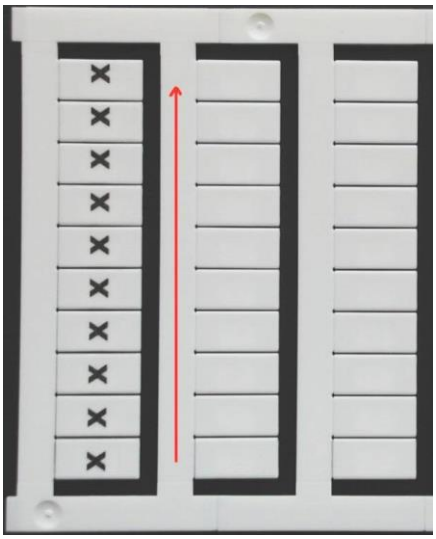
If the text is gradually drifting do not adjust the Offsets.



Below is an example when the Width on the X axis is not properly set.

To make an adjustment change the value in the field for ‘Width X’ as shown in the Adjust Marker Type window on the previous page. In this case the text on the first row of tags is centered and gradually drifts as each consecutive row of tags is printed. Use only the last row of tags as a guide to making an adjustment. Decreasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the left. Increasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the right.

Below is an example when the Height on the Y axis is not properly set.



Adjustments to ‘Height Y’ work in the same way as adjusting ‘Width X’. In this case the first tag on the row (bottom) is centered and gradually drifts as each consecutive tag on the row is printed. Use only the last tag on the row (top) as a guide to making an adjustment. Decreasing the value in the field for Height Y by 1 mm will move the text in the image above down 1 mm. Increasing the value in the field for Height Y by 1 mm will move the text in the image above up 1 mm.

MCP Plus

Partnumber - 1925000000

Install printer driver

The printer driver supports Windows XP, Windows Vista, Windows 7 and Windows 8.

Install the “MCP Plus” printer driver (available at www.weidmueller.com or on the delivered DVD).

After installation there is no need to change any settings in the printer driver!

Notice: Administrator rights are necessary to install the driver.

Extract the zip-file “Psetup” on your computer. There will be a directory called Psetup with several subdirectories.

Type of connection: USB

Installation under Windows 2000/XP

Connect the MCP Plus plotter with your computer and turn it on. The “Add Printer Wizard” for new hardware will be opened.

Under Windows 2000:
Choose: “Search for a suitable driver for this device“ and then: „Add from other source”.
Use “Browse” to look for the subdirectory “W2k” from the extracted setup file. Confirm with “OK” and “Next”. The driver will be installed now.
During installation there will be the message: "The software you are installing has not passed Windows Logo testing”. Choose “Continue installation”. Then click “Ready”.

Under Windows XP:
Choose: „ Install from a list or specific source“ and click „Next“.
In the following window please select: „ Search fort he best driver in these locations“. And activate the option “Include this location in the search”.
Click on “Browse” and search for the subdirectory “XP” in the extracted setup-files. Confirm with “OK” and click “Next”. The driver will be installed now.
During installation there will be the message: "The software you are installing has not passed Windows Logo testing”. Choose “Continue installation”. Then click “Ready”.

Installation unter Windows VISTA:

Before connecting the MCP Plus to your computer:

Search for the directory „Vista_32“ from the extracted setup-files.
Execute the file: „setup.bat“.
During the installation there will be a message: "The publisher could not be verified. Are you sure you want to install this driver software?"
„Allow unsigned driver installation“.

The printer driver is now preinstalled. The MCP Plus plotter can be connected now or later.The driver will be set automatically.

Installation unter Windows 7:

Look at the installation under Windows VISTA and proceed similar. Only difference is the name of the necessary subdirectory for the setup file e.g.: W7_32 when using the 32-bit version of operating system.
Important: Do not set the Plotter as your standard printer, since the driver is certified by Microsoft.

Installation under Windows 8 (32 Bit):
Look at the installation under Windows VISTA and proceed similar. Only difference is the name of the necessary subdirectory for the setup file e.g.: W7_32 for the 32-Bit version of operating system.
Important: Do not set the Plotter as your standard printer, since the driver is certified by Microsoft.

Installation under Windows 8 (64 Bit):

1. Turn the plotter off and unplug the data cable
2. Press Windows Key (⊞) +R and enter **shutdown.exe /r /o /f /t 00** to reboot.
   Attention: Before executing this command save all data and shut down relevant programs.
3. Click „Toubleshoot“
4. Click „Advanced Options“
5. Click „Windows Startup Settings“
6. Click „Restart“
7. Select „Disable driver signature enforcement“ in the list of startup settings with F7
8. Windows will now reboot
9. Login and navigate to the folder where the drivers are located
10. Right click on MCP.inf in the folder w7_64 and select „Install”
11. Confirm to install the not certified driver
12. Plugin the data cable and turn the plotter on. The device will now be recognised and is available for use.

Important: Do not set the Plotter as your standard printer, since the driver is certified by Microsoft.

Note: In former versions of Windows 8 the plotter might not be shown in the control panel at „Devices and Printers“, nevertheless, it should be available in M-Print® PRO.

Type of connection: Parallel Port

When you have connected the plotter with the computer, the driver should be installed.

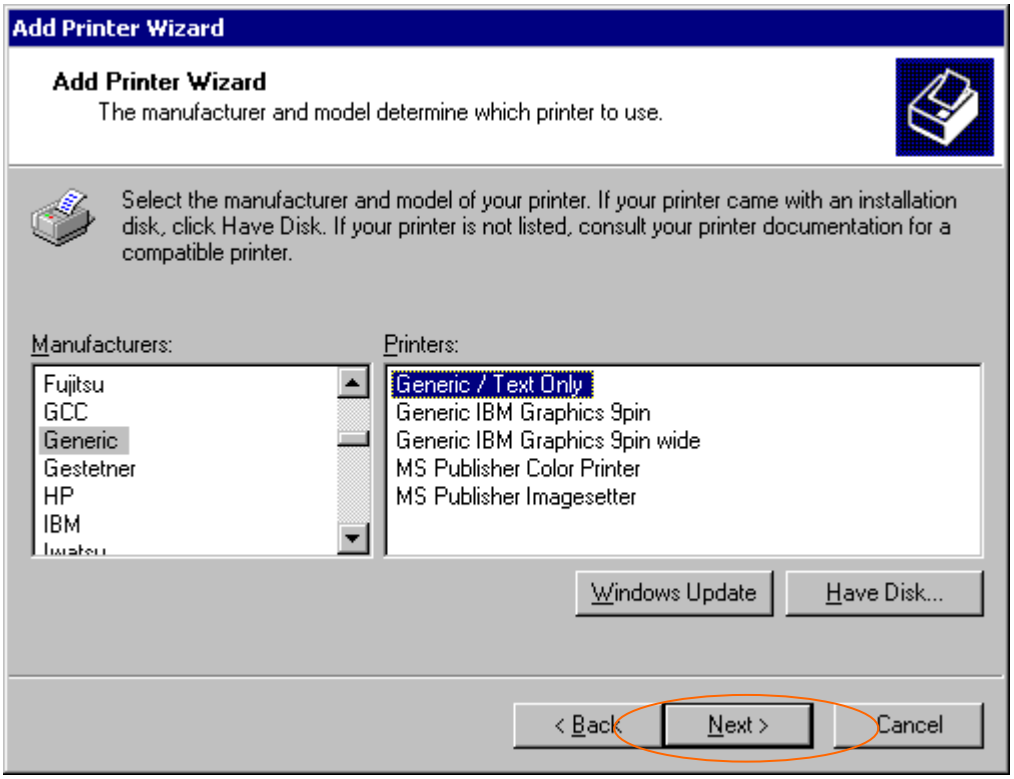
1. Open *Start/Program Setting/Printer and add Fax/Printer.*

2. Choose the button *Continue.*

3. Choose the option *Local Printer* and confirm with the button *Continue*.

4. If there is no second parallel interface available, assign *LPT1* as connection. Click the button *Continue*.

5. Choose *Generic* as manufacturer and the printer *Generic / Text Only*. Confirm your entries by clicking the button *Continue*.



6. Confirm all the following windows with the button *Continue*.

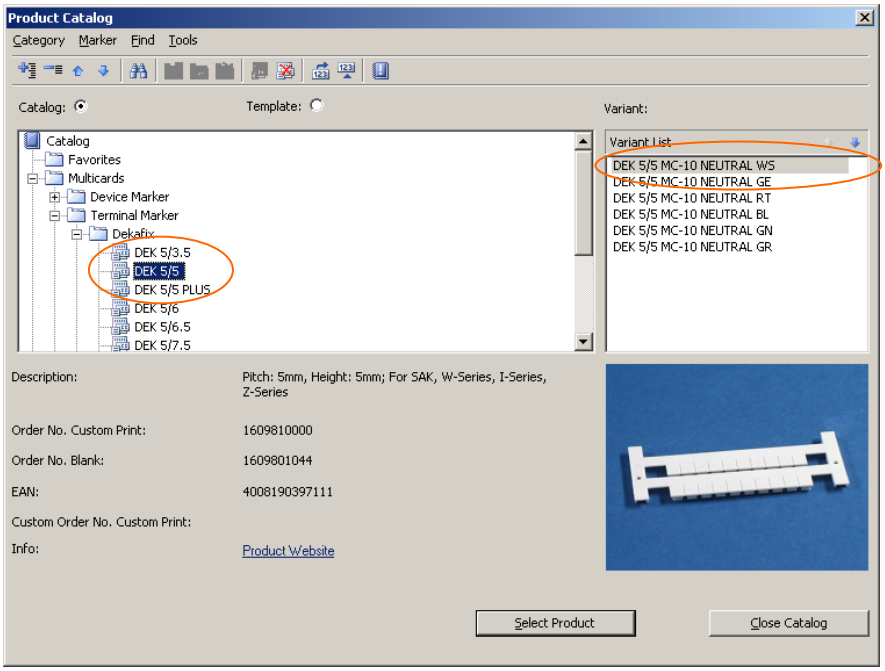
The driver has been installed and is found in the printer selection list as *Generic / Text Only.*

Setup plotter with M-Print PRO

1. Start the plotter and insert the MultiCard DEK 5/5 which is included in the delivery, into the frame for the plotter. Place a transparent foil over the mat and the zero point cross.

2. Start the M-Print PRO software via the program icon on the desktop.

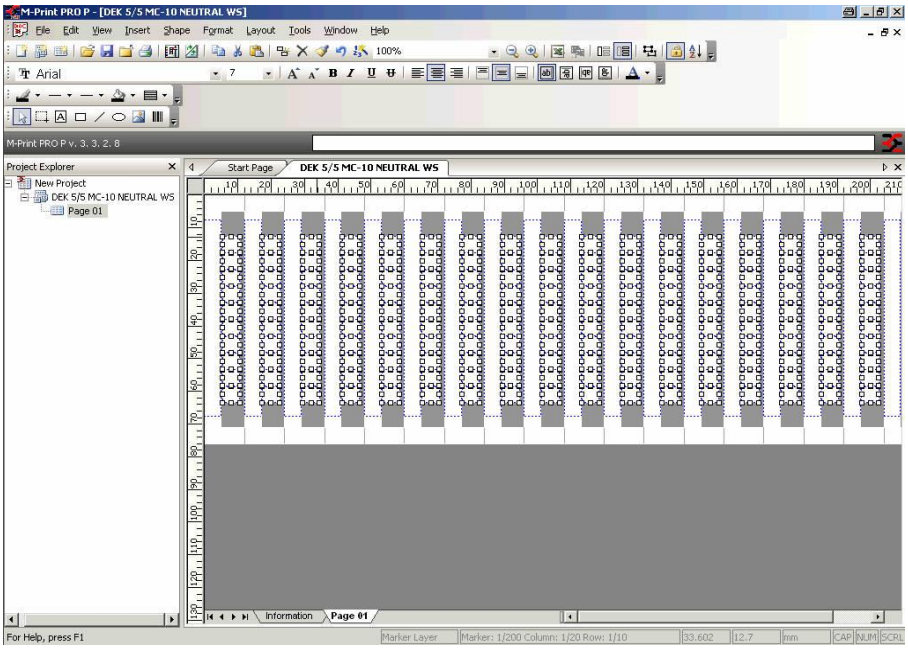
3. Select in the left field of the product catalogue the categories MultiCards – *Terminal Marker* – DEK 5/5 by clicking twice. On the right side choose the icon DEK 5/5 MC-10 NEUTRAL WS. Confirm by clicking the button *Select Product*.



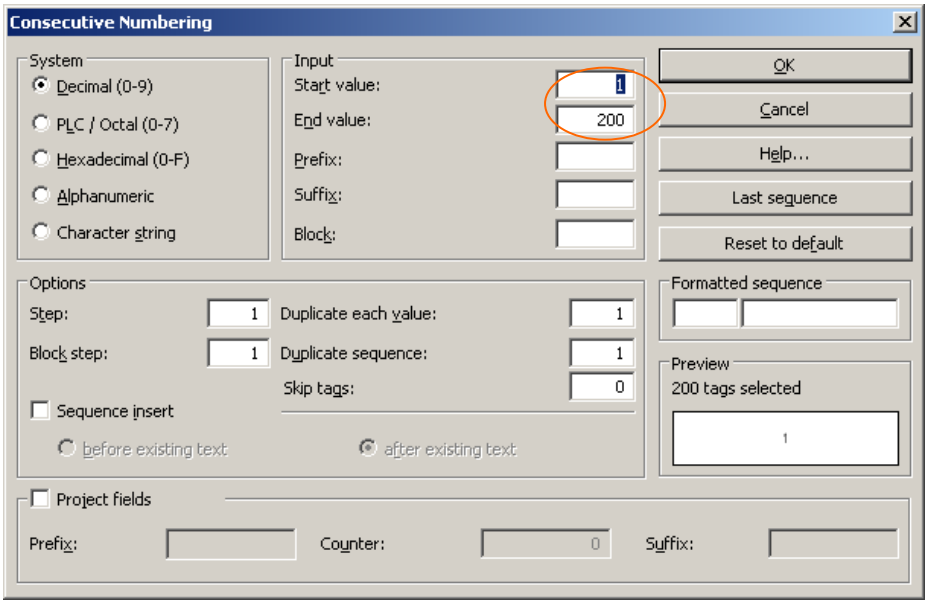
4. The MultiCard DEK 5/5 appears.

5. To activate the **plot mode** choose the menu *File* and here the icon *Toggle Plot Mode*.

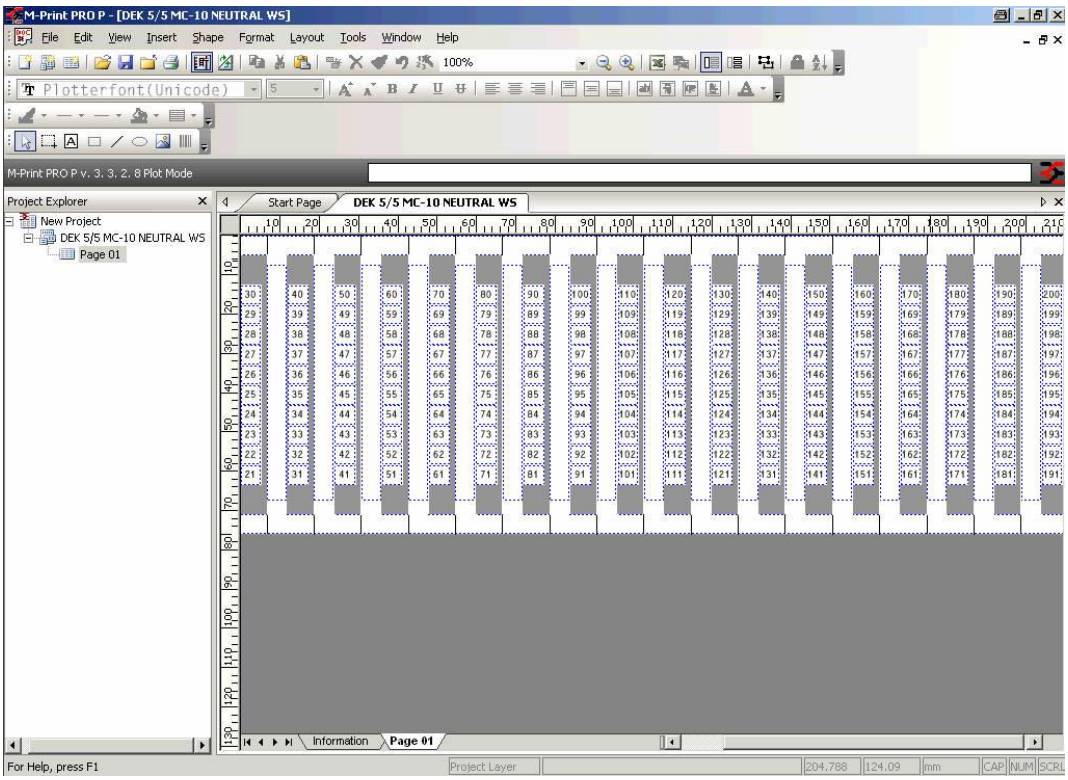
6. Push the shortcut *Ctrl+A*. All markers have been selected.



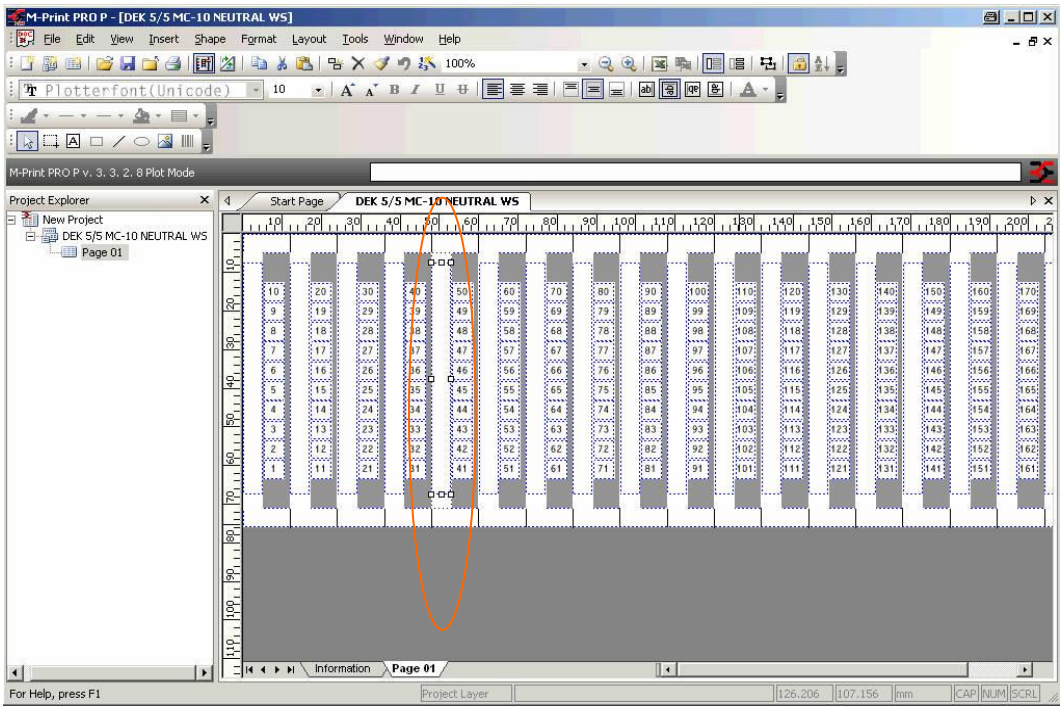
7. Choose key *F8* or proceed via *Insert* to the window *Consecutive Numbering*. The start and end values are automatically defined from 1 to 200. You leave this window by clicking on the button *OK*.



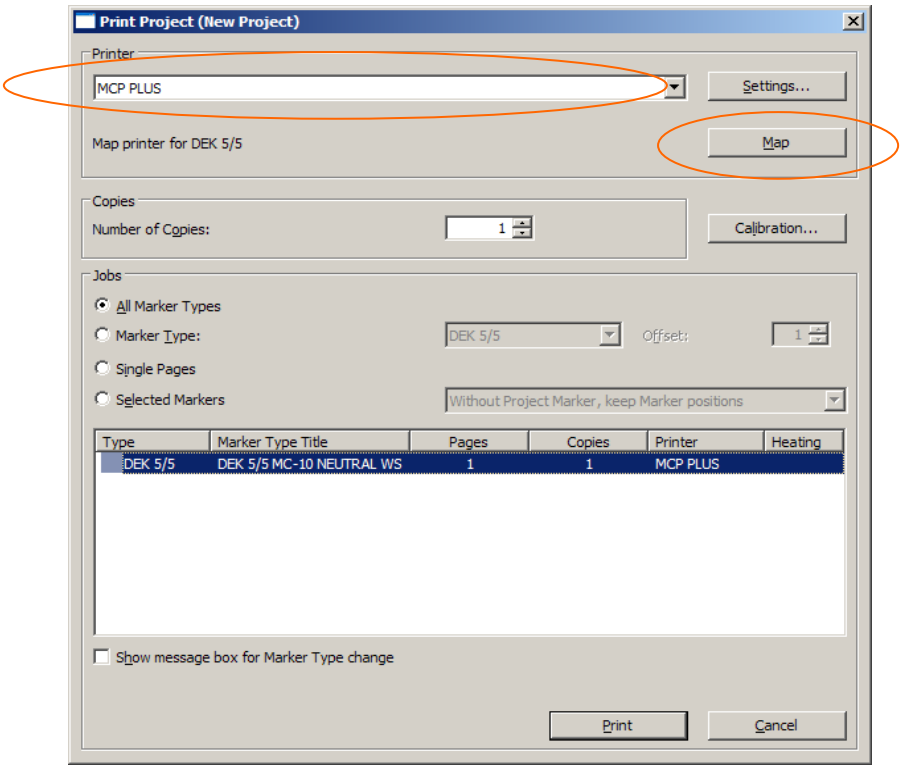
8. The markers are labelled from 1 to 200. To label the project field you have to change to the Project Layer. Choose the button *Project Layer*.



9. Click to the first project field. This has now been selected. You can start to label it. When pushing *Enter* you proceed to the next project field which can also activated with the mouse. Label all project fields.

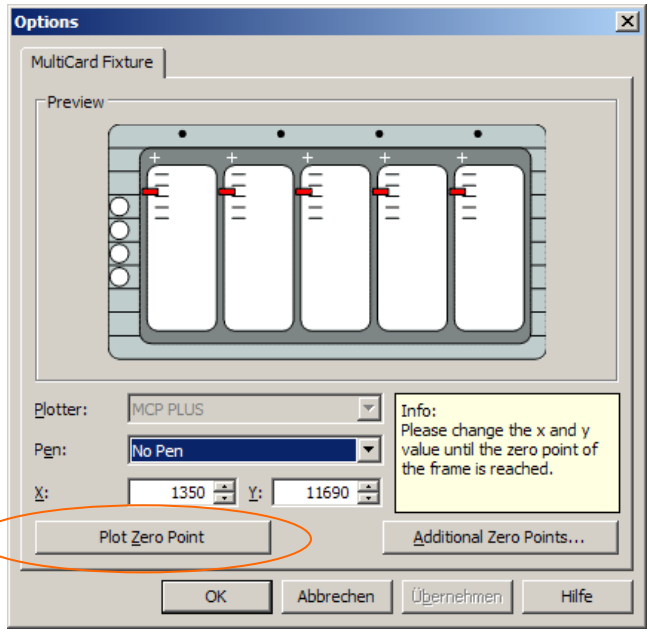


10. Choose the icon *Print* in the menu *File*. The print window opens. Select printer *MCP PLUS or Generic Text only* then click to the button *Map*.



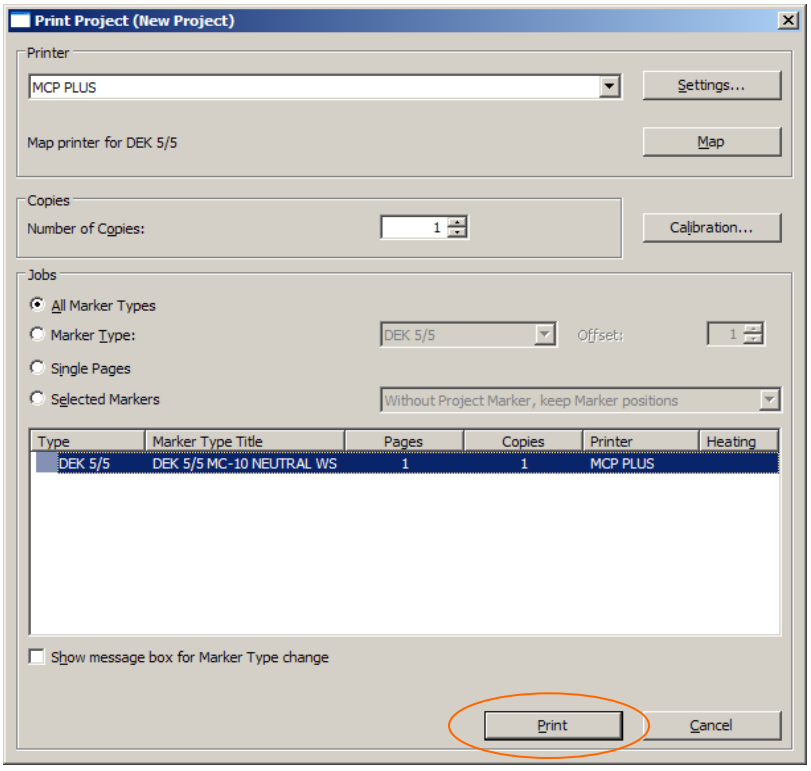
11. The window *Map* appears. The output device must be assigned “As MCP Plus/IP-220” and confirmed with *OK*.

12. Now the zero point should be checked. Click to the button *Calibration* and in the next window on the button *Zero Points…* The window for defining the zero point appears. The values of the zero point are pre-defined. Choose the button *Plot Zero Point*.

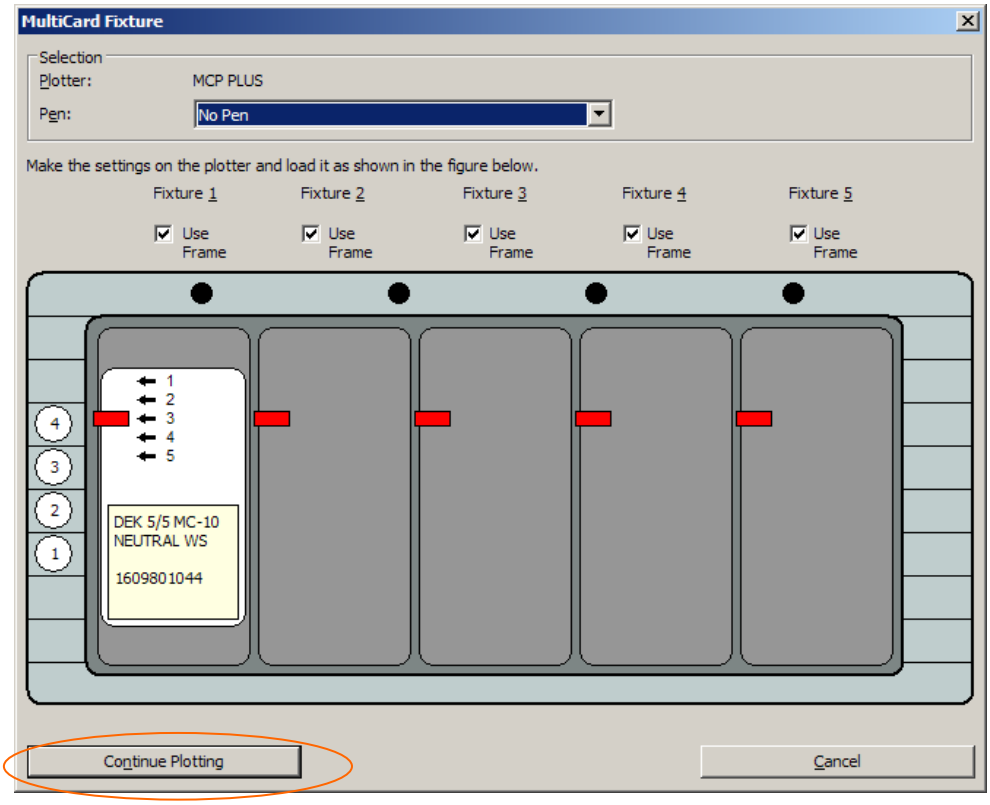


13. The zero point has been plotted to the foil. Should the plotted cross differ from the one on the frame, modify the values of the zero point correspondingly. Restart plotting of the zero point. If both crosses match confirm the window with the buttons *Accept* and *OK*.

14. Plotting can be started. Click to the button *Print*.



15. The plot preview appears. The pen station has to be assigned correctly and the Inlay must be inserted correspondingly to the position on the screen. When clicking to the button Continue Plotting the frame shown on the screen is plotted.



Calibrating the marker type

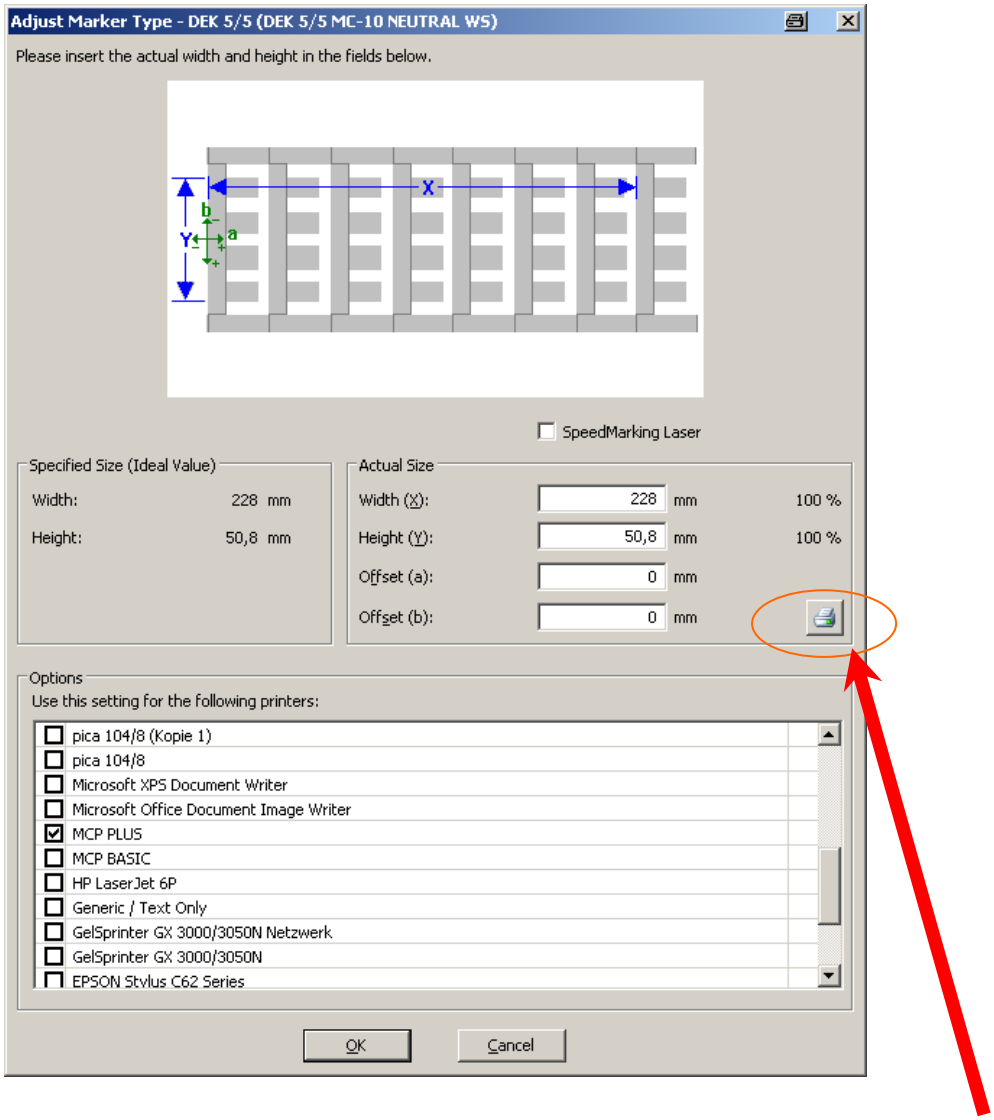
You can calibrate your marker type in order to compensate for physical changes.

Go to File -> Adjust marker type to enter the values you have measured.

Measure the width (X) from the start of the first project name panel to the start of the last project name panel.

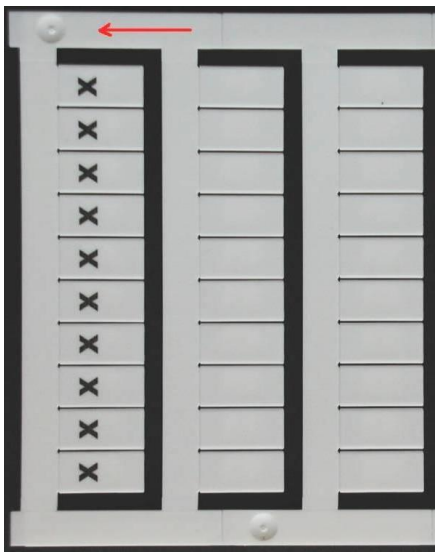
To determine the height (Y), measure from the bottom edge of the bottom most marker to the top edge of the topmost marker.

Use the Offset X and Offset Y values to shift the entire card to the right or downwards respectively. Enter negative values here in order to shift the card to the left or upwards respectively.

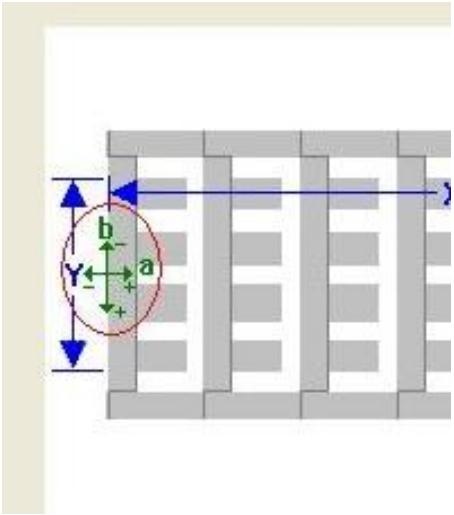


Notice: *When using the MCP Basic Plotter this option for testprint is deactivated!*

Below is an example when the Offset on the X axis is not properly set.

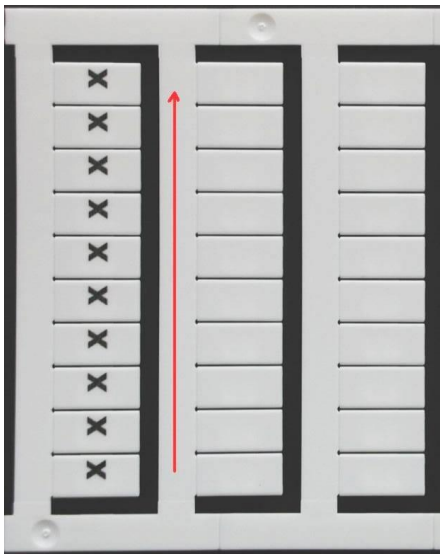


To make an adjustment change the value in the field for 'Offset X (a):' as shown in the Adjust Marker Type window on the previous page. In this case a positive adjustment is needed to move the text toward the center of the tag. The green arrows in the diagram show whether a positive (+) or negative (-) adjustment is needed. Negative values, such as, -0.5 can be entered in the Offset X (a) or Offset Y (b) fields.

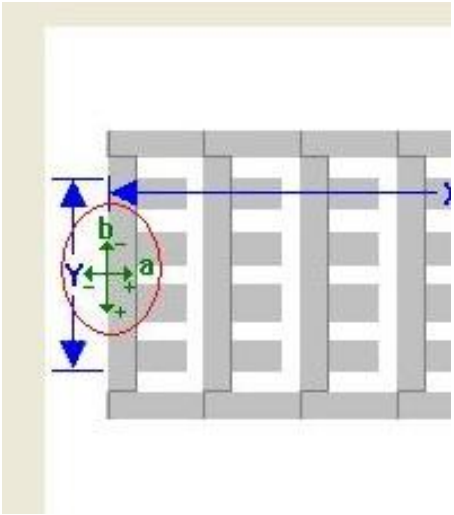


If the text prints too far to the right, the green arrow for ‘a’ shows a minus sign pointing to the left. Decrease the value in the field for Offset X (a). Subtracting 1 mm would move the text 1 mm to the left. Negative values, such as, -0.5 can be entered.
If the text prints too far to the left, the green arrow for ‘a’ shows a plus sign pointing to the right. Increase the value in the field for Offset X (a). Adding 1 mm would move the text 1 mm to the right. Negative values, such as, -0.5 can be entered.

Below is an example when the Offset on the Y axis is not properly set.



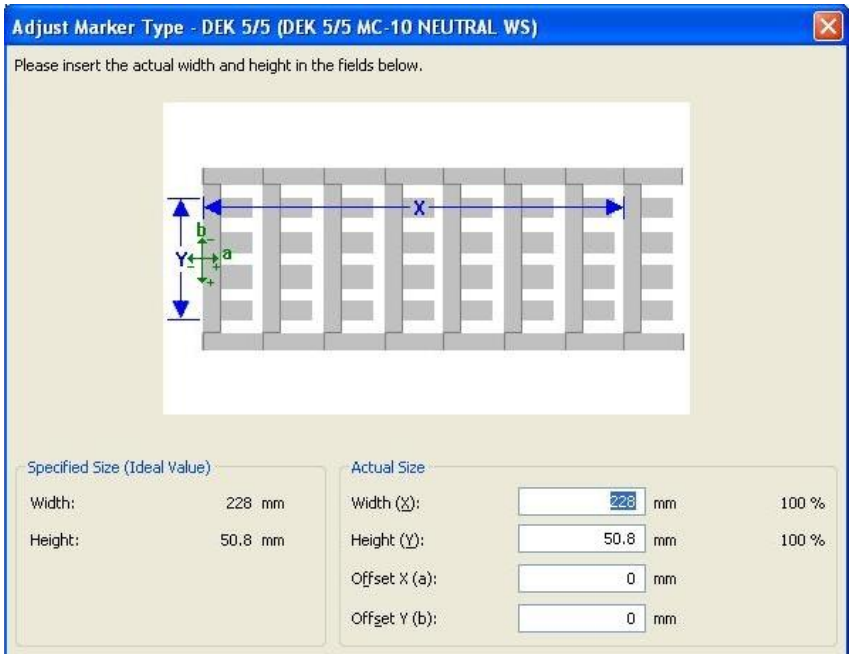
To make an adjustment change the value in the field for ‘Offset Y (b):’



If the text prints too low, the green arrow for ‘b’ shows a minus sign pointing up. Decrease the value in the field for Offset Y (b). Subtracting 1 mm would move the text up 1 mm. Negative values, such as, -0.5 can be entered.

If the text prints too high, the green arrow for ‘b’ shows a plus sign pointing down. Increase the value in the field for Offset Y (b). Adding 1 mm would move the text down 1 mm. Negative values, such as, -0.5 can be entered.

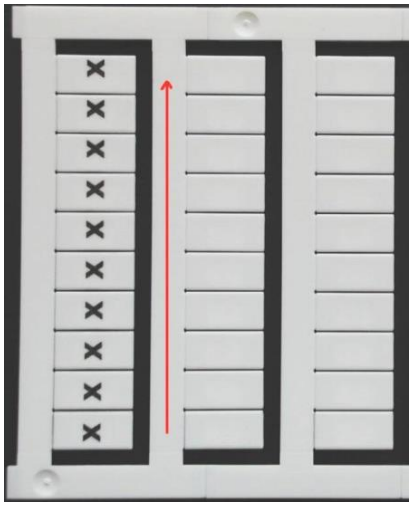
Offset adjustments are required when the text is off-center consistently going across each individual row of tags or off-center consistently going down the rows of tags on the MultiCard.
If the text is gradually drifting do not adjust the Offsets.



Below is an example when the Width on the X axis is not properly set.

To make an adjustment change the value in the field for 'Width X' as shown in the Adjust Marker Type window on the previous page. In this case the text on the first row of tags is centered and gradually drifts as each consecutive row of tags is printed. Use only the last row of tags as a guide to making an adjustment. Decreasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the left. Increasing the value in the field for Width X by 1 mm will move the text in the image above 1mm to the right.

Below is an example when the Height on the Y axis is not properly set.



Adjustments to 'Height Y' work in the same way as adjusting 'Width X'. In this case the first tag on the row (bottom) is centered and gradually drifts as each consecutive tag on the row is printed. Use only the last tag on the row (top) as a guide to making an adjustment. Decreasing the value in the field for Height Y by 1 mm will move the text in the image above down 1 mm. Increasing the value in the field for Height Y by 1 mm will move the text in the image above up 1 mm.