

Printing systems

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Printing systems and software

The Weidmüller labelling systems are the quick and efficient way of producing markers for connectors, wires, cables and devices, plus labels for general use. The **M-Print® PRO** software enables users to mark electrical equipment quickly and simply. For professional and fast design, printing and ordering of your marking requirements. Borders, barcodes, graphics or photos can all be easily integrated. The multitude of data conversion routines presents you with fast and flexible options for data integration. The Weidmüller **PrintJet PRO**, **MCP Plus**, **MCP Basic**, **MC-Mobilo** printers plus those of the ThermoMark series can be used for printing.

The **PrintJet PRO** is the reference model in industrial marking for high-resolution printing and maximum wipe and scratch resistance. The **MCP Plus** plotter provides you with good flexibility because with its positioning frame it can handle more than 160 different types of marker in the MultiCard format. The **MC-Mobilo** is the ideal printer for labelling on site without a PC and a mains power supply, directly during installation work. The printers of the ThermoMark series are ideal for printing labels and/or shrinkable sleeves in excellent quality.



	Printer						
Type of marker	PrintJet PRO	Plotter MCP Plus	MCP Basic	MC Mobilo	THM TwinMark	THM Plus	THM Basic
Technical data							
Technology	Inkjet process	Plotting technique	Plotting technique	Plotting technique	Thermal transfer	Thermal transfer	Thermal transfer
Voltage	AC 230 V or AC 115 V	AC 230/AC 115 V	AC 230/AC 115 V	AC 230/AC 115 V	AC 230/AC 115 V	AC 230/AC 115 V	AC 230/AC 115 V
Printing resolution	1.200 dpi				300 dpi	300 dpi	203 dpi
Interfaces	USB, LAN	Parallel Centronics, USB	USB	RS 232	RS 232, USB, LAN	RS 232, USB, LAN, Compact Flash	Parallel Centronics, USB, RS 232, LAN
Network interface card	●				●	●	●
Terminal markers							
DEK/WS/ZS/MF	●	●	●	●			
ELS	●	●	●	●			
WAD	●						
Cable and wire markers							
SF/SFX/SFC	●	●	●	●			
TM-I	●	●	●	●			
ELS	●	●	●	●			
Device markers							
DMC	●	●	●	●			
ESG	●	●	●	●			
SM/CC	●	●	●	●			
Labels							
THM MT						●	●
THM WriteOn						●	●
THM GEW						●	●
THM EL							●
THM ET S7						●	●
Shrink sleeves							
TwinMark					●	●	

PrintJet PRO

The **PrintJet PRO** inkjet printer prints markers for electric connectivity. These markers can be used for clear equipment identification on devices, cables and connectors. The labelling makes servicing, maintenance and troubleshooting much easier. Water-based ink is used for the black or spot colour printing. The print is crystal clear and resistant to environmental influences.

The **PrintJet PRO** prints plastic markers in **MultiCard** format. In combination with the user-friendly **M-Print® PRO** software and the attached loader, the printer becomes an essential part of the production. The inkjet process being used, the subsequent fusing, as well as the printer cartridge and ink have all been specially adapted by Weidmüller for industrial use. The printer has excellent long-term use capabilities, thanks to its integrated loader.



- Top-quality, resistant printing
- Spot colour print
- Perfect for constant use
- Integrated loader for 20 MultiCards
- Ideal for large quantities
- The display shows all relevant information
- Flexible connection options, from LAN ports to USB ports

Technical data

PrintJet PRO	
Type	PrintJet PRO
Application	Prints MultiCard markers
Technology	Inkjet process
Print quality	600 / 1.200 dpi
Printer drivers	Windows® 2000/XP/VISTA/7
Print software	M-Print® PRO
System requirements	Windows® 2000/XP/VISTA/7
Feed	Integrated loader
Fusing	Thermal fusing
Interface	USB, LAN
Power supply	AC 230 V or AC 115 V
Location	Office conditions
Ambient temperature	20° to 35 °C
Dimensions (L x W x H)	1060 x 500 x 310 mm
Weight	33 kg
Cartridge system	Ink cartridge, CMYK (up to 1.000.000 characters, Arial font size 6)
Scope of supply	PrintJet PRO, power cable, printer drivers, manuals (CD), Ink tank starter set colour, USB cable, M-Print® PRO software

Ordering data

PrintJet PRO

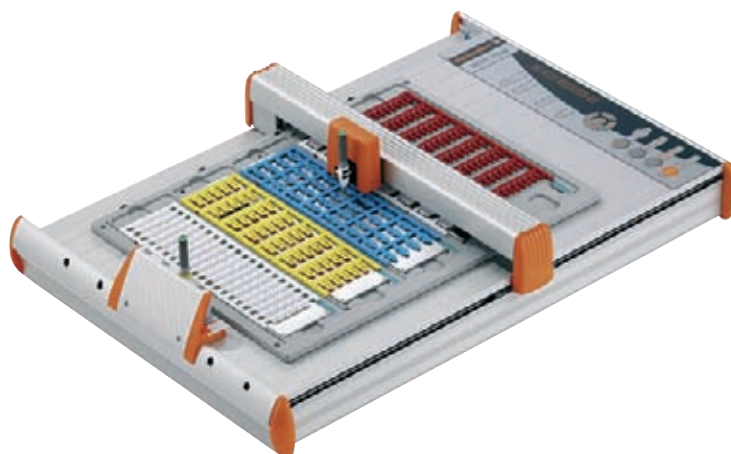
Type	Order No.
PrintJet PRO 115V	1024050000
PrintJet PRO 230V	1001180001
Accessories	
PJ PRO TNTK INK SET COL	Ink tank starter set, colour
PJ PRO TNTK INK K	● Ink tank Black
PJ PRO TNTK INK C	● Ink tank Cyan
PJ PRO TNTK INK M	● Ink tank Magenta
PJ PRO TNTK INK Y	● Ink tank Yellow
PJ PRO TNAW	waste pad
Ink tank PrintJet II	1858920000
Clean Unit PrintJet II	1858950000
Ink tank PrintJet	1797460000
Clean Unit PrintJet	4062150000

Plotter

MCP Plus

The plotter **MCP Plus** complements the Weidmüller MultiCard concept. It is suitable for smaller quantities of markers and when only part of a MultiCard is to be printed on. The special positioning frame for five MultiCards increases productivity by 20 % over comparable systems. With the positioning frame for SlimFix markers sizes 4 to 6, printing on more than 160 MultiCard types for terminals, cables, wires and equipment is possible. Labels are printed with the MCP-Label positioning frame. Suitable for use with the Weidmüller **M-Print® PRO** software.

- 2 positioning frames for more than 160 MultiCard types
- MultiCards easily fitted into the frame
- Easy to use with partly used MultiCards
- Automatic pen activation function
- Safe storage of the plotter pens



Technical data

Type	MCP Plus
Application	printing of MultiCard markers and labels
Technology	plotting technique
Print software	M-Print® PRO
System requirements	Windows 2000/XP/VISTA/7
Interface	Parallel Centronics / USB
Power supply	230/115 V AC
Feed	manual
Location	office conditions
Ambient temperature	10 °C – 35 °C
Dimensions (L x W x H)	660 x 440 x 125 mm
Weight	approx. 8 kg
Scope of supply	MCP Plus with Centronics cable, USB cable, power pack (100-240 V AC/50-60 Hz), Euro and US plugs, MultiCard positioning frame, 0.25 P-Ink plotter pen, printer driver, M-Print® PRO software and manual

Ordering data

MCP Plus

Type	Order No.
MCP Plus plotter set	192500000

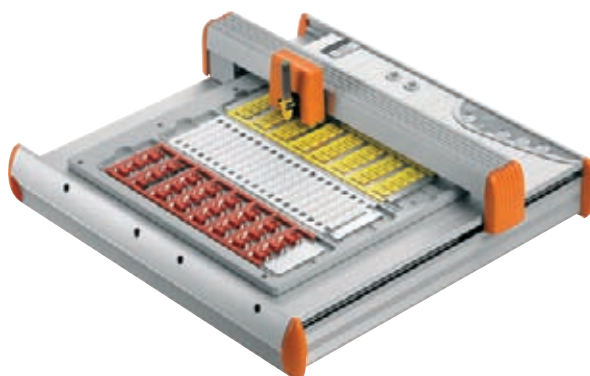


MCP Basic

The **MCP Basic** plotter is a flexible and portable solution that allows you to print your labels on-site quickly and easily.

The **MCP Basic** is suited for printing small-scale labelling jobs, partial labels, or remaining quantities

- Small space-saving flat-bed plotter
- Positioning frame for 3 MultiCards
- Easily filled with MultiCard sheets
- Positioning frame for SlimFix, sizes 4 to 6 and a label positioning frame optionally available
- Works together with Weidmüller's **M-Print® PRO** software



Technical data

Type	MCP Basic
Application	Printing MultiCard markers and labels
Technology	plotting technique
Plotting speed	max. 40 mm/s
System requirements	Windows® 2000/XP/VISTA/7
Software	M-Print® PRO
Interfaces	USB
Voltage supply	100~240 V AC, 50-60 Hz
Voltage supply	Via external power supply unit with interchangeable adapters
Feed	manual
Location	office conditions
Ambient temperature	10°C – 35°C
Dimensions (L x W x H) mm	440 x 440 x 125
Weight	6 kg
Scope of supply	MCP Basic plotter, printer driver, power cord, USB cable, M-Print® PRO software, 0.25 P-Ink plotter pen, MultiCard positioning frame, power supply unit (100-240 V AC / 50-60 Hz), Euro and US plugs, user manual on CD, hand trolley-case

Ordering data

MCP Basic

Type	Order No.
MCP Basic	1139400000

Plotter MCP - accessories



MCP positioning frames

Ordering data

Type	for	Qty.	Order No.
MCP AP PLUS	MultiCards	1	1924360000
MCP AP BASIC	MultiCards	1	1139880000
MCP AP SF 4-6	SlimFix sizes 4 to 6	1	1924310000
MCP AP Labels	Labels	1	1924370000

MCP plotter pens

Type	for	Qty.	Order No.
Plotter Pen 0.18	Reusable pen	1	1768570000
Plotter Pen 0.25	Reusable pen	1	1768540000
Plotter Pen 0.25 P-Ink	Disposable pen 8 ml Not for CLI T sleeves	1	1920640000
Plotter Pen 0.35	Reusable pen	1	1768550000
Plotter Pen 0.35 P-Ink	Disposable pen 8 ml Not for CLI T sleeves	1	1920650000
Plotter Pen 0.50	Reusable pen	1	1768560000
Plotter Pen 0.50 P-Ink	Disposable pen 8 ml Not for CLI T sleeves	1	1005710000
Plotter Pen 0.70	Reusable pen	1	1011440000
Plotter Pen 0.70 P-Ink	Disposable pen 8 ml Not for CLI T sleeves	1	1011450000

MCP ink

Type	Contents	Qty.	Order No.
P- Ink	30 ml Not for CLI T sleeves	1	1924340000
Ink 2000	25 ml	1	1772120000

MCP miscellaneous

Type	Contents	Qty.	Order No.
P cleaner	30 ml	1	1924330000
Cleaner Clean 2000	25 ml	1	1772130000
Inlay for MCP		1	1935130000
Inlay SFC 3		1	1058090000
MCP adhesive strips		5	1924320000
MCP Plus cover		1	1924350000
MCP TP-KOF Basic	Trolley MCP Basic	1	1139890000



Accessories - STI pen

The STI-S felt tip pen is suitable for labelling blank Weidmüller marking products. It can be used for handwritten labels or, in conjunction with the STI-S adapter, for a plotter printout. A black, waterproof ink is used.

Ordering data

Type	Qty.	Order No.
Adapter aluminium STI pen	1	1762440000
STI pen SW	10	0508401694

MC-Mobilo

The MC-Mobilo allows users to work directly at place. There is no need for a PC and no need for a power supply so electrical equipment can be labelled anywhere, anytime. The rechargeable battery provides power for up to 3 hours. The universal inlay enables up to 120 different marker types of the MultiCard range to be processed.



Technical data

Type	Plotter
Application	Printing of MultiCard markers
Technology	Plotting technique
Print software	WM-Print
Interface	RS 232
Power supply	AC 230 / AC 115 V
Feed	manual
Location	can be used anywhere
Ambient temperature	15 – 30 °C
Dimensions (L x W x H)	380 x 190 x 68 mm
Weight	3 kg
Scope of supply	MC-Mobilo, universal power unit, including adapters (EURO, UK, USA), data cassette, operating instructions, PowerPack, PC connecting cable, WM-Print, universal MultiCard mounting frame, 0.25 plotter pen, carry case

Ordering data

MC-Mobilo

	Qty.	Order No.
MC-Mobilo		
MC-Mobilo 110/220 V	1	1741260001
MC-Mobilo Accessories		
Printkit (Ink 2000, Clean 2000, Plotter-Pen 0.25)	1	1686920000
Frame inlay SF 4-6	1	1802180000
Inlay SFC 3	1	1058090000
Accessories Plotter IP220/MC-Mobilo		
P-Ink 30 ml	1	1924340000
Ink 2000 25 ml	1	1772120000
P cleaner 30 ml	1	1924330000
Cleaner Clean 2000 25 ml	1	1772130000
Plotter Pen 0.18	1	1768570000
Plotter Pen 0.25	1	1768540000
Plotter Pen 0.25 P-Ink	1	1920640000
Plotter Pen 0.35	1	1768550000
Plotter Pen 0.35 P-Ink	1	1920650000
Plotter Pen 0.50	1	1768560000
Plotter Pen 0.50 P-Ink	1	1005710000
Plotter Pen 0.70	1	1011440000
Plotter Pen 0.70 P-Ink	1	1011450000
Accessories – STI pen		
Adapter aluminium STI pen	1	1762440000
STI pen SW	10	0508401694

Thermal transfer printer

THM TwinMark

The **THM TwinMark** printer takes advantage of thermal transfer technology and has two distinct printing heads. The two printing heads function independently and make it possible to print shrink sleeves on both sides. The printer is well suited for TwinMark roll-packaged shrink sleeves and delivers a brilliant quality print. The user-friendly system is operated together with the **M-Print® PRO** software.

- LCD-graphics display shows all key status information
- Automatic positioning with margin stop
- Top and bottom sides can be printed with similar or different data
- Works with Weidmüller's **M-Print® PRO** software



Technical data

Type	THM TwinMark
Application	Shrink sleeve printer
Technology	Thermal transfer
Printing speed	30, 40, 50, 75, 100, 125 mm/s
Printing resolution	300 dpi
Printer drivers	Windows® 2000/XP/VISTA/7
Software	M-Print® PRO
Interface	RS232 C serial, 1200 to 230400 baud/8-bit, USB 2.0 high-speed slave for PC connection, Ethernet 10/100-Base-T, USB master for external control panel, keyboard and scanner
Modes of operation	100 – 240 V AC 50/60 Hz
Buttons / LED display	Pause, feed, cancel, menu, enter, 4 cursors
LCD-graphics display	W x H 60 x 40mm, 4 lines à 20 characters
Shown on display	Data receive, clock, calendar sheet, WLAN intensity, Ethernet status, user memory, input buffer, foil supply, printing head temperature
Power consumption	max. 300 Watt
Application site	Office conditions
Ambient temperature	10 – 35 °C
Dimensions (H x L x W)	395 x 554 x 248 mm
Weight	21 kg
Scope of supply	THM TwinMark printer, printer driver, power cord, USB cable, M-Print® PRO software, user manual on CD
Accessories – Ribbon R 83/300	
Colour	Black
Basis	Resin
Suitable for	Shrink sleeve TwinMark HSS-HF (halogen-free variants)
Width x length	83 mm x 300 metres

Ordering data

THM TwinMark

	Type	Material	Width (mm)	Order No.
Printer	THM TwinMark			1140490000
Ribbon	Ribbon R 83/300	Resin	83	1962370000

THM Plus

The **THM Plus** printer uses thermal transfer technology for the industrial printing of labels and shrink sleeves. A robust metal housing protects the printer against dust and dirt. The printer provides high-quality output and is suitable for printing on different materials. This user-friendly system functions with the Weidmüller **M-Print® PRO** software.

- Due to a special firmware this printer is particularly suitable for TwinMark shrink sleeves
- Easy exchange of materials and ribbons
- Memory card slot – Compact Flash type 1
- Easy calibration
- Suitable for both types of shrinkable sleeve and also Weidmüller labels on reels
- Easy to use with Weidmüller's M-Print® PRO



Technical data

Type	THM Plus
Application	Printing of labels and shrinkable sleeves
Technology	Thermal transfer
Printing speed	50 – 150 mm/s
Printing quality	300 dpi
Printer drivers	Windows® 2000/XP/VISTA/7
Software	M-Print® PRO
System requirements	Windows® 2000/XP/VISTA/7
Interface	Seriell RS232, Ethernet 10/100 Base T, USB, Compact Flash Typ 1
Power supply	100/240 V AC, 50-60 Hz, max. 250 W
Dimensions (W x L x H)	242 x 446 x 274 mm
Weight	9 kg
Scope of supply	THM Plus Printer, USB cable, power cable, printer drivers, manuals (CD), M-Print® PRO software
Accessories – Ribbon WR 90/300	
Colour	Black
Basis	Wax/resin
Suitable for	HSS (standard variants)
Width x length	90 mm x 300 metres
Accessories – Ribbon R 83/300	
Colour	Black
Basis	Resin
Suitable for	HSS-HF (halogen-free variants)
Width x length	83 mm x 300 metres

Ordering data

	Type	Application	THM Plus Order No.
Printer	THM Plus Printer		1962340000
Ribbons	Ribbon R 83/300	Free from halogens	1962370000
	Ribbon WR 90/300	Standard	1962360000
	Hi Res ribbon, 280 m	Label	1790650000
Adapter	Centronic-USB2.0 Adapter		1965140000

Thermal transfer printer

THM Pro

The **THM Pro** printer uses thermal transfer technology for the industrial printing of labels. A robust metal housing protects the printer against dust and dirt. The printer provides high-quality output and is suitable for printing on different materials. This user-friendly system functions with the Weidmüller **M-Print® PRO** software.

- Printer for producing texts, graphics and barcodes
- Automatic positioning of labels in the printer for perfectly centred printing on every label
- Robust printing thanks to the HiRes ribbon
- Functions with the Weidmüller **M-Print® PRO** software



Technical data

Type	THM Pro
Application	Printing of labels
Technology	Thermal transfer
Printing speed	80 mm/s
Printing quality	204 dpi
Printer drivers	Windows® 2000/XP
Software	M-Print® PRO
System requirements	Windows® 2000/XP/VISTA
Interface	Parallel Centronics / USB
Power supply	220 V
Location	office conditions
Ambient temperature	-10 °C – +35 °C
Dimensions (W x H x L)	230 x 230 x 350
Scope of supply	ribbon (HiRes), printer drivers, power cable, parallel cable, USB cable, M-Print® PRO software

Ordering data

			THM Pro
Type			Order No.
THM Pro Printer			1785240000
Printing foil	Material	Width (mm)	
HiRes ribbon, 280 m	Resin	110	1790650000

THM Basic

The **THM Basic** printer uses thermal transfer technology for industrial printing of labels. Its space-saving design makes it perfect for office use. The printer is well suited for labelling a variety of materials and delivers a brilliant quality print. The user-friendly system is operated together with the **M-Print® PRO** software.

- Small space-saving thermal-transfer printer
- Suitable for printing a variety of roll-packaged labels
- A variety of interfaces are available
- Works together with Weidmüller's **M-Print® PRO** software



Technical data

Type	THM Basic
Application	Printing of labels
Technology	Thermal transfer
Printing speed	75 – 100 mm/s
Printing quality	203 dpi
Printer drivers	Windows® 2000/XP/VISTA/7
Software	M-Print® PRO
Interface	Parallel Centronics / USB / Seriell RS 232 C / Ethernet 10/100 Base
Power supply	100-240 V
Location	office conditions
Ambient temperature	10 °C – 40 °C
Dimensions (H x L x W) mm	200 x 329 x 256
Weight	3,5 kg
Scope of supply	ribbon (HiRes), printer drivers, power cable, USB cable, M-Print® PRO software, manual (CD)

Ordering data

THM Basic

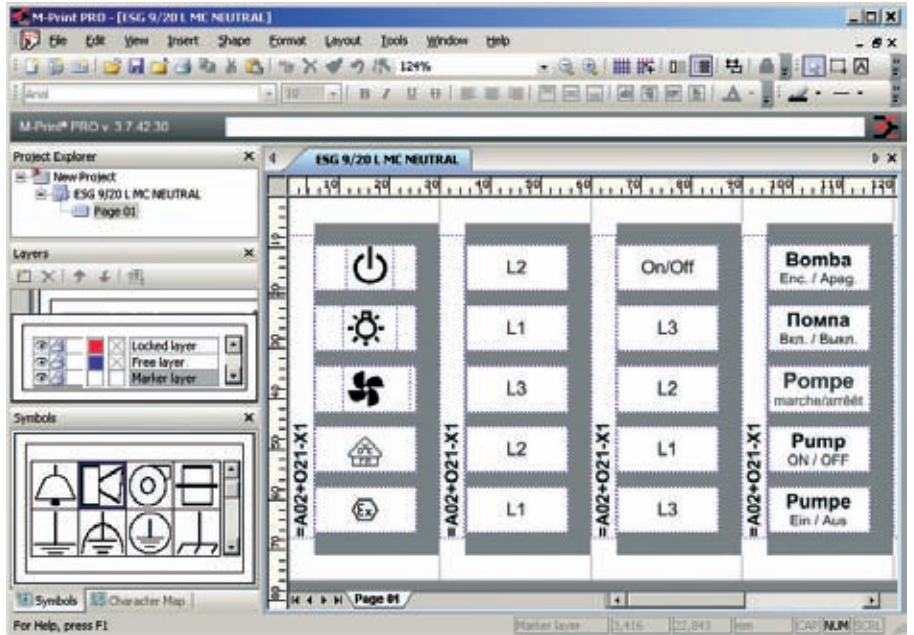
Type				Order No.
THM Basic				1141340000
Printing foil	Material	Width (mm)		
HiRes ribbon, 280 m	Resin	110		1790650000

Software

M-Print® PRO Label Designer

Print and ordering software for markers and labels

M-Print® PRO is a professional software for printing and ordering Weidmüller markers and labels under Windows®. This software helps you to optimise your processes for marking electrical equipment. You can design, print and order your marking materials effortlessly, professionally and quickly: texts, frames, lines, graphics, barcodes, serial numbers and photos.



Technical data

Here is an overview of the main functions

- Integrated product catalogue for all labels and markers, including images and links to the relevant web pages and product data sheets
- Markers and labels can be designed in as many levels as required
- Custom formatting of individual text characters (RTF)
- Perform copy-and-paste functions with texts and their formats
- Supports UNICODE for foreign-language texts, such as Russian, Chinese, Polish, etc.
- Enter data on labels or worksheet
- Permanent print preview: see how the printout will look during the design phase
- Numeric and alphanumeric counts and sequences
- Extensive range of image formats (*.bmp, *.wmf, *.png, *.ico, *.jpeg, *.tif, *.gif)
- Image library including all the important symbols used in electrical engineering
- Assign product to specific printer; for example, ESG 9/20 to PrintJet, LaserMark to laser printer, etc.
- Output devices supported: PrintJet PRO, PrintJet I+II, SMark-Laser, ThermoCard, THM as well as standard printers with Windows® drivers, plotter MCP
- Optimum and rapid adjustment of the output devices
- Online update service via the Internet
- Interface to RailDesigner®
- Import assistant to create your own import filter for numerous file formats (*.txt, *.csv, *.xml etc.)
- Imports data from CAE systems

Operating systems supported

WINDOWS® 2000/XP/VISTA/7

System requirements

- RAM > 64 MB
- Processor > Pentium PIII or comparable model
- Graphics > 800 x 600 pixels with 256 colours
optimum: 1024 x 768 with 16-bit High Colour
- Hard drive > 90 MB free storage
- Miscellaneous mouse, keyboard, CD-ROM drive (to install the software)

M-Print® PRO is available in two editions:

- M-Print® PRO Standard Edition for professional printing results with all of Weidmüller's marking materials
- M-Print® PRO Advanced Edition for professional printing results with all of Weidmüller's marking materials plus labels to customer specification

Ordering data

M-Print® PRO

Type	Order No.
M-Print® PRO	1905490000
M-Print® PRO advanced	1905500000