

Marking systems – MARKING system

The right printing system for every application

The TOPMARK NEO laser marking system marks materials for use in industrial applications permanently, making them highly resistant. Easy handling is possible, without special knowledge of laser technology. The BLUEMARK ID high-speed printers with innovative UV LED technology quickly and easily print materials in UniCard and US format as well as aluminum markers – in color as well.

The printers in the THERMOMARK series are renowned for their proven maintenance-free thermal transfer printing method and maximum user-friendliness.

The THERMOMARK PRIME is equipped with integrated marking software, an independent energy supply, and a user interface with intuitive operation. As a result, the card printer is ideally designed for mobile use.

The easy-to-operate THERMOMARK CARD 2.0 is installed in no time at all. It prints plastic labels in UniCard and UniSheet format, quickly and with high-quality results.

Marking labels and shrink sleeves in roll and continuous formats is straightforward and reliable with the THERMOMARK ROLL 2.0.

The THERMOMARK ROLLMASTER 300 and 600 robust industrial printers are both ideal for marking large print volumes.

With its 600 dpi print resolution, the THERMOMARK ROLLMASTER 600 is particularly suitable for printing high-resolution and small bar codes or 2D bar codes, small characters, symbols or graphics.

The THERMOMARK W2 enables double-sided marking of shrink sleeves, which significantly improve the legibility of the wire markings.

The robust THERMOFOX handheld printer is ideally suited to fast marking right on site. It processes continuous media for terminal marking, wire and cable marking, equipment marking, and plant marking

Product range overview

Which printer prints which marking

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The BLUEMARK ID printing systems use the latest UV LED technology for marking, including CMYK multicolor printing. This makes the materials instantly wipe-resistant and ready for immediate use. The printing systems do not need time to warm up, they are environmentally friendly, and also very quiet.



The TOPMARK NEO marking system enables you to flexibly implement the requirements of challenging marking applications. With modern laser technology, you can create permanent, durable markings with ease. Preset parameters mean you don't need special knowledge of laser technology.



The THERMOMARK PRIME is ideal for mobile use with its integrated marking software, independent energy supply, and intuitive user interface. The automatic ink ribbon, magazine, and material detection also make operation much easier.



The THERMOMARK CARD 2.0 thermal transfer printer prints marking materials in card format. It offers you an easy way of producing terminal, wire, cable, and equipment markings of impressively high quality.



The THERMOMARK ROLL 2.0 thermal transfer printer processes material off the roll and continuous media. You can easily create high-quality printed labels, markers, and shrink sleeves.



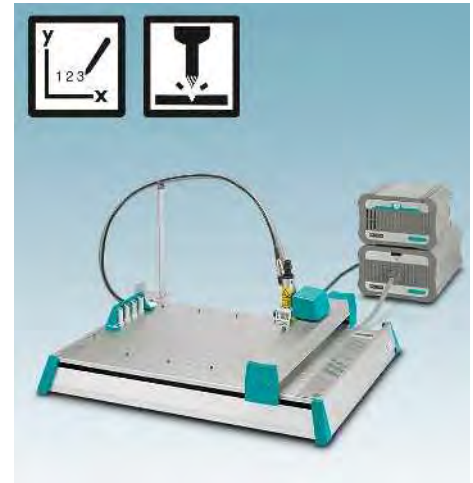
The THERMOMARK ROLLMASTER is particularly suitable for marking large print volumes, either with 300 or 600 dpi for high print resolutions for bar codes or 2D printers.



The THERMOMARK W2 prints and perforates WMS continuous shrink sleeves on both sides. This double-sided printing ensures optimum legibility on conductors and cables. Easy loading of the sleeve is ensured, thanks to the special design of the guide elements.



The THERMOFOX handheld printer is ideally suited to fast marking right on site. The thermal transfer printer is robust, easy to use, and offers versatile functions. It processes continuous media for terminal, wire, cable, equipment, and plant marking.



The PLOTMARK also marks sheet material, in addition to strips and UniCard materials. The integrated pen station prevents the plotter pens from drying out. The PLOTMARK can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device.

Marking and labeling – MARKING system

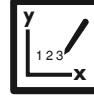
Marking systems

Overview
Marking system –
Marking material –
Matrix



Marking system	TOPMARK NEO	BLUEMARK ID BLUEMARK ID COLOR	THERMOMARK CARD 2.0 THERMOMARK PRIME	THERMOMARK ROLL 2.0
Terminal marking				
UC...-TM...		Page 110		
UCT...-TM...	Page 132	Page 132	Page 132	
UM...-TM...		Page 168	Page 168	
US-TM...		Page 136	Page 136	
US-TMF...		Page 137	Page 137	
US-TML...		Page 138	Page 138	
ZB...				
ZBF...				
TMT...				Page 140
TML...				Page 144
SK...				Page 148
MM-TML...				
MM-TMT...				

Wire/cable marking				
LS-WMTB...	Page 189			
WMTB-AL...		Page 192		
AI-WM...		Page 201		
UC-WMT...		Page 202		
UC-WMTB(A)...		Page 204		
UC-WMC(O)...		Page 194		
UCT-WMT...	Page 206	Page 206	Page 206	
UCT-WMTB(A)...	Page 210	Page 210	Page 210	
UCT-WMCO...	Page 209	Page 209	Page 209	
UCT-WMS...	Page 208	Page 208	Page 208	
US-WMT...		Page 212	Page 212	
US-WMTB...		Page 214	Page 214	
US-WML...		Page 215	Page 215	
WML-RFID/HF...				
WML.../WML HF.../WML-FLAG...				Page 217
WMS... (HF) (pre-assembled)				Page 224
WMS... (HF) (continuous shrink sleeve)				Page 226
WMS... OT-HF (continuous marking sleeve)				Page 228
EMT...				Page 229
WMT...				Page 230
WMTB...(HF)				Page 231
MM-WMS... + MM-WMS-2...				
MM-WML...				
MM-EMT...				



**THERMOMARK
ROLLMASTER 300/600**

THERMOMARK W2

THERMOFOX

PLOTMARK

ENGRAVING UNIT

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Marking and labeling – MARKING system

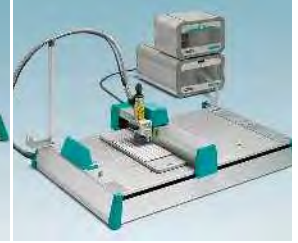
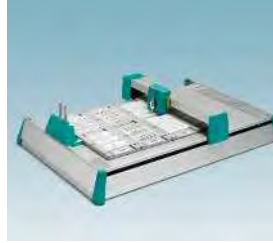
Marking systems

Overview

Marking system –
Marking material –
Matrix



Marking system	TOPMARK NEO	BLUEMARK ID BLUEMARK ID COLOR	THERMOMARK CARD 2.0 THERMOMARK PRIME	THERMOMARK ROLL 2.0
Equipment marking				
LS-EM...	Page 282			
EM...AL...		Page 296		
UC-EM...		Page 303		
UC-EMP...		Page 301		
UC-EMLP...(EX)		Page 298		
UC-EMSP...		Page 300		
UCT-EM(P)...	Page 306	Page 306	Page 306	
US-EMP...		Page 317	Page 317	
US-EMLP...(HA)		Page 314	Page 314	
US-EMLSP...		Page 320	Page 320	
US-EMSP...		Page 319	Page 319	
US-EML...		Page 322	Page 322	
US-EMLF...		Page 323	Page 323	
EMT...				Page 342
EML-D				Page 324
EMLP...				Page 328
EMLF...				Page 332
EMLC...				Page 333
EMLS...				Page 339
EML-HA...				Page 334
EML-HT...				Page 335
EML-ESD...				Page 336
EML-RM...				Page 337
GPE...				
BMK...				
BMKL...				
MM-EMLC.../MM-EML.../				
MM-EMLF...				
Plant marking				
UC-PM(L)P...		Page 360		
PM(L)P-RFID/...		Page 358		
US-PML-W...		Page 366	Page 366	
US-PML-P...		Page 367	Page 367	
US-PML-M...			Page 368	
US-PML-GHS...		Page 371	Page 371	
US-EMLF...		Page 323	Page 323	
PML-W....				Page 375
PML-P...				Page 372
PML-M...				Page 373
PML-GHS...				Page 374
PML-T...				Page 378
PMM...				Page 385
MM-EML.../MM-EMLF...				



**THERMOMARK
ROLLMASTER 300/600**

THERMOMARK W2

THERMOFOX

PLOTMARK

ENGRAVING UNIT

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Marking systems

TOPMARK NEO, desktop laser marker including extraction unit



Direct laser marking



new

Integration into the PROJECT complete planning and marking software makes the TOPMARK NEO the fastest desktop laser marker in its class – and the easiest to use. You can now mark all materials, without special knowledge of laser technology.

- Wide range of materials comprising stainless steel, aluminum, ABS, polyacrylics, and polycarbonate
- Preset optimized laser parameters are available for all material types
- Thanks to automatic material detection of UCT cards and LS materials, marking is fast and effective
- The laser marker can also be used via the multicolor touch display without marking software
- Permanent markings are created by engraving, annealing or carbonizing the material

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Marking method	
Laser system	
Laser class	
Interfaces	
Power supply	[V]
Weight	[kg]
Operating system	
Power consumption	[W]
CW laser power (continuous wave)	[W]

Technical data		
Width	Length	Height
580	485	615
5 ... 35		
Direct laser marking		
Ytterbium fiber laser, pulsed, 1064 nm		
Laser class 1 according to EN 60825-1 classification		
Ethernet 10/100 Mbps, dynamic IP/RS-232/USB host for USB stick		

Description	Color
Laser marker , incl. operating instructions, LAN cable, type E and F power cable, and LS adapter plate	
Laser marker , incl. operating instructions, LAN cable, type E and F power cable, LS adapter plate, and extraction unit	

Ordering data		
Type	Order No.	Pcs./Pkt.
TOPMARK NEO	1012015	1
TOPMARK NEO SET	1012018	1

Extraction unit, 100 V ... 240 V, incl. filter equipment, suction tube, crevice nozzle set, type E and F power cable, D-SUB cable, and operating instructions

Prefilter, for replacement

HEPA filter, for replacement

Activated carbon filter, for replacement

Suction tube, for replacement, length: 2.5 m

Cleaning nozzle, for plugging onto the suction tube of the extraction unit.

Adapter plate, for LS materials, for TOPMARK NEO

Carrying handles for carrying the laser marker more easily

Bypass plug, D-SUB plug, 25-pos. for simulating an extraction unit

Accessories		
TMN-EXTRACTION	1012102	1
TMN-PRE FILTER	1012100	1
TOPMARK LASER HEPA FILTER	0803305	1
TOPMARK LASER CARBON FILTER	0803306	1
TMN-EXTRACTION HOSE	1012101	1
TOPMARK LASER CLEANING NOZZLE	0803310	1
TMN-ADAPTER PLATE-LS	1012104	1
TMN-HANDLE SET	1012105	1
TMN-BP	1012081	1



BLUEMARK ID printing systems

new



UV LED technology



Technical data

Dimensions				
		[mm]	Width	Length
			523	675
				Height
				340
General data				
Temperature range		[°C]	5 ... 35	
Marking method			-	
Volume			23 ml	
Pressure capacity			-	
Interfaces			10/100 Mbps Ethernet / 1x USB 2.0 Device, 1x USB 2.0 Host	
Power supply		[V]	100 ... 240	
Weight		[kg]	21	
Operating system			MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit)	
Power consumption		[W]	-	
CW laser power (continuous wave)		[W]	-	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Color printer with solvent-free UV LED technology , with integrated "MARKING system app" marking software on board, 7" color touch display, incl. power cable, USB cable, for printing US cards, plastic labels in UC, UCT, and UM format, and metal labels		BLUEMARK ID COLOR	1002329	1
Monochrome printer with solvent-free UV LED technology , with integrated "MARKING system app" marking software on board, 7" color touch display, incl. power cable, support CD containing multilingual user manuals, links to firmware, drivers, and planning and marking software, for printing US cards, plastic labels in UC, UCT, and UM format, and metal labels		BLUEMARK ID	1003334	1

Accessories

Infeed magazine for accommodating max. 20 UniCard sheets for accommodating max. 40 UniCard sheets Adapter plate for BLUEMARK ID, for accommodating US materials	BM ID-MAG20 BM ID-MAG40	1044356 1044357	1 1
Transport case , with aluminum edges, for printer and accessories	BM ID-ADAPTER PLATE-US BM ID CASE	1044355 1049953	1 1
UV fluid, for replacement , 23 ml, color: black cyan magenta yellow Dummy cartridge for transportation, color: black cyan magenta yellow Cleaning cartridge , for replacement	BM ID-CARTR. BK BM ID-CARTR. CY BM ID-CARTR. MA BM ID-CARTR. YE BM ID-DUMMY CARTR. BK BM ID-DUMMY CARTR. CY BM ID-DUMMY CARTR. MA BM ID-DUMMY CARTR. YE BM ID-CLEANING CARTR. BM ID-CARDBOARD BOX	1044345 1044346 1044347 1044348 1044351 1044352 1044353 1044354 1044350 1044361	1 1 1 1 1 1 1 1 1 1
Original packaging for transportation			

The BLUEMARK ID printing systems are the all-in-one solution for industrial identification. In addition to the BLUEMARK ID for monochrome printing, the BLUEMARK ID COLOR system also prints CMYK multicolor markings. Both printing systems are characterized by:

- Intuitive operation, the integrated marking software supports the entire printing process via an intuitive 7" graphical user interface
- Maximum speed, automatic material feed-in and a de-stacking function enable over 15,000 markers to be processed per hour. The use of several magazines speeds up large-batch processing
- Flexible material loading, additional front feed-in is integrated along with magazine insertion. This enables the flexible printing of individual UC/UCT sheets, metal labels, and US cards
- Material selection, over 1300 materials for industrial identification are available for both printing systems

THERMOMARK PRIME



Thermal transfer

- The THERMOMARK PRIME is the thermal transfer printer for mobile or stationary use
- With the integrated MARKING system app software, printing data is created on site
- Easy and intuitive operation via 7" touch color display
- Replaceable battery pack ensures cable-free use for many hours
- The connection to PROJECT complete enables the convenient processing of large marking projects
- Prints on plastic labels in UCT, US, and UM format

Notes:

Additional ink ribbons can be found in our online shop at phoenixcontact.net/products.



Mobile thermal transfer printer with integrated marking software

ERC

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating system	

Technical data		
Width	Length	Height
380	292	122
5 ... 35	300 dpi	104
10/100 Mbps Ethernet / USB 2.0	100 ... 240 / 50 Hz ... 60 Hz	6
MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2		

Description	Color
Thermal transfer printer for mobile or stationary use, with integrated "MARKING system app" marking software on board, 7 inch color touch display, and replaceable battery pack. It can be linked to CLIP PROJECT.	

For printing on plastic labels in UCT, US, and UM format	gray
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Charger for the battery pack, power is supplied via the THERMOMARK PRIME's standard power supply unit or using the vehicle charging cable via the 12 V or 24 V connection

Spare charging cable for the charger when using a 12 V connection in the vehicle

Spare battery pack, (NiMH) 18 V DC, 2.1 Ah

Battery compartment cover, dummy battery pack closes the battery tab on the printer

Replacement power supply unit, input voltage of 100 V AC ... 240 V AC / 1.5 A / 50 Hz ... 60 Hz, output voltage: 24 V DC / 4.16 A

Bag for the THERMOMARK PRIME (5148888), material and accessories not included

Backpack for the THERMOMARK PRIME (5148888), the THERMOFOX (0803984), material and accessories not included

Transport case with aluminum edges for the THERMOMARK PRIME (5148888), material and accessories not included

Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm

Ink ribbon cassette for THERMOMARK PRIME, ink color: white, length: 60 m, width: 110 mm

Ordering data		
Type	Order No.	Pcs./Pkt.

THERMOMARK PRIME	5148888	1
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Accessories		
Type	Order No.	Pcs./Pkt.
TMP/CHARGER	0803670	1
TMP/CHARGER CABLE VEHICLE 12V	0803671	1
TMP/ACCU	0803668	1
TMP/ACCU COVER	0803669	1
TMP/EXT.POWER-SUPPLY 100-240V	0803672	1
TMP BAG	0803674	1
MOBILE BACKPACK	0803717	1
TMP CASE	0803675	1
TMP-RIBBON 110 BK 100	0803374	1
TMP-RIBBON 110 WH 100	0803376	1

THERMOMARK CARD 2.0, thermal transfer printer for sheet and card material



Thermal transfer printer
for sheet and card material

- The THERMOMARK CARD 2.0 prints markers supplied in card format for cable, equipment, and plant marking applications
- For all UniCard (UCT) and UniSheet (US) materials
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking. Printing time for one UniCard: just 8 seconds
- Easy and intuitive operation via touch color display
- USB and Ethernet connections
- Easy control via the PROJECT complete software

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating system	

Technical data		
Width	Length	Height
380	320	189
5 ... 35		
-		
104		
10/100 Mbps Ethernet / USB 2.0		
-		
6		
MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2		

Description	Color
Thermal transfer printer for card material, incl. European power cable, US power cable, USB cable, operating instructions in German, English in printed format, magazine for UCT-TM materials, magazine for US materials, one UCT-TM 6 unit pack, one US-EMLP (85,6X54) (85,6x54) unit pack, one ink ribbon (50 m sample roll)	

Ordering data		
Type	Order No.	Pcs./Pkt.
THERMOMARK CARD 2.0	1085267	1

Transport case
Trolley for TL-CASE transport case
Cleaning stick
Ink ribbon for THERMOMARK CARD..., ink color: black, length: 300 m, width: 110 mm
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm

Accessories		
TL CASE	0800613	1
TL CASE TROLLEY	0803337	1
CLEANING STICK	5146697	5
THERMOMARK-RIBBON 110-TC	0801371	1
TM-RIBBON 110-TC/TR WH	1014402	1
TM-RIBBON 110 WH 100	0804661	1

Marking systems

Magazines for THERMOMARK CARD and THERMOMARK PRIME



Thermal transfer



Magazines for UniCard marking materials

- Robust magazines for UniSheet and UniCard marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started and have full rows remaining can continue to be used
- A bar code affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. This prevents printing errors caused by using the wrong magazines

Description
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5x10), UCT-EM (6x10)
for accommodating UCT-TMF...
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-WMS...
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT1-TMF...
for accommodating UCT2-TM...
for accommodating UCT3-TM...
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-WMT..., UCT-EM (7x10)
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-EM (20x7), UCT-EM (17,5x8)
for accommodating UCT-EM (12x3,3), UCT-EM (12x6)
for accommodating UCT-EM (30x5)
for accommodating UCT-EM (17x10)
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-EM (10x8)
for accommodating UCT-EM (10x5)
for accommodating UCT-EM (17x8), UCT-EM (21x8)
for accommodating UCT-EM (20x9)
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-EM (17x9)
for accommodating UCT-EM (18x8)
for accommodating UCT-EM (17,5x7,5)
for accommodating UCT-EM (15x10)
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT-EM (10x7), UCT-WMTB (29x8)
for accommodating UCT-EM (20x8)
for accommodating UCT-EM (17,5x9)
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating UCT6M-TM...
for accommodating UCT6R-TM...

Ordering data		
Type	Order No.	Pcs./Pkt.
TMP-UCT-MAG1	0803342	1
TMP-UCT-MAG2	0803343	1
TMP-UCT-MAG3	0803344	1
TMP-UCT-MAG4	0803345	1
TMP-UCT-MAG5	0803347	1
TMP-UCT-MAG6	0803348	1
TMP-UCT-MAG7	0803349	1
TMP-UCT-MAG8	0803350	1
TMP-UCT-MAG9	0803351	1
TMP-UCT-MAG10	0803352	1
TMP-UCT-MAG11	0803353	1
TMP-UCT-MAG12	0803354	1
TMP-UCT-MAG13	0803355	1
TMP-UCT-MAG14	0803356	1
TMP-UCT-MAG15	0803357	1
TMP-UCT-MAG16	0803358	1
TMP-UCT-MAG17	0803360	1
TMP-UCT-MAG18	0803361	1
TMP-UCT-MAG19	0803363	1
TMP-UCT-MAG20	0803364	1
TMP-UCT-MAG21	0803365	1
TMP-UCT-MAG22	0803366	1
TMP-UCT-MAG23	0803367	1
TMP-UCT-MAG24	0803368	1

Magazines for THERMOMARK CARD and THERMOMARK PRIME



Thermal transfer



Magazines for UniCard marking materials

- Robust magazines for UniSheet and UniCard marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started and have full rows remaining can continue to be used
- A bar code affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. This prevents printing errors caused by using the wrong magazines

Ordering data			
Description	Type	Order No.	Pcs./Pkt.
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating: UCT-WMCO...(12x4)	TMP-UCT-MAG25	0803369	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...	TMP-UCT-MAG26	0803370	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-WMTBA (25x6), UCT-WMTBA (29x8), UCT-WMTBA (40x17)	TMP-UCT-MAG27	0803371	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating: UCT-WMCO...(18x4)	TMP-UCT-MAG28	0803372	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating: UCT-WMCO...(23xX)	TMP-UCT-MAG29	0803373	1
for accommodating UCT-EM (12x7)	TMP-UCT-MAG30	0804461	1
for accommodating UCT-EMNP (12,5x6), UCT-EMP (35x9)	TMP-UCT-MAG31	1025505	1
for accommodating UCT4-EM(L)P...	TMP-UCT-MAG32	1082129	1
for accommodating UCT-EM (12x8)P.	TMP-UCT-MAG33	1082130	1

Marking systems

Magazines for THERMOMARK CARD and THERMOMARK PRIME



Thermal transfer



Magazine for UniSheet marking materials

- Robust magazines for UniSheet and UniCard marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started and have full rows remaining can continue to be used
- A bar code affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. This prevents printing errors caused by using the wrong magazines

Description
Magazine for THERMOMARK CARD and THERMOMARK PRIME
for accommodating all US materials

Ordering data		
Type	Order No.	Pcs./Pkt.
TMP-US-MAG1	0803341	1

Magazines for THERMOMARK CARD and THERMOMARK PRIME



Thermal transfer for sheets and cards



Magazine for UM marking materials

- Robust magazine for universal material
- One magazine accommodates up to four double strips
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Marking strips that have already been started and have full rows remaining can continue to be used

Ordering data			
Description	Type	Order No.	Pcs./Pkt.
Magazine , for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM1-TM ..., UM5-TM...	TMP-UM-MAG1	0831200	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM1-TMF ...	TMP-UM-MAG3	0831202	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM1U-TM ...	TMP-UM-MAG4	0831203	1
Magazine , for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM2-TM...	TMP-UM-MAG5	0803328	1
Magazine , for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM3-TM...	TMP-UM-MAG6	0803329	1
Magazine , for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM6M-TM...	TMP-UM-MAG7	0803330	1
Magazine , for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM6R-TM...	TMP-UM-MAG8	0803331	1
Magazine , for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM8-TM...	TMP-UM-MAG9	0803332	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM7-TM (5x10), UM7-TM (6x10)	TMP-UM-MAG10	0803334	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM7-TM (8x10)	TMP-UM-MAG11	0803681	1

Marking systems

THERMOMARK ROLL 2.0, thermal transfer printer for material off the roll



Thermal transfer for rolls

- The THERMOMARK ROLL 2.0 prints markers supplied in roll format for terminal, wire, cable, and equipment marking applications
- For all labels, shrink sleeves, and marking sleeves
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking
- Easy and intuitive operation via touch color display
- USB and Ethernet connections
- Easy control via the PROJECT complete software

Cutting to length or perforating is easy

- Continuous media can be cut or perforated with a high degree of positioning accuracy (see figure below)



Thermal transfer printer for material off the roll

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Max. print length	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating system	

Technical data		
Width	Length	Height
253	320	189
10 ... 35	300 dpi	105
1000	10/100 Mbps Ethernet / USB 2.0 / RS-232	-
-	-	-
MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2		

Description
Thermal transfer printer for material off the roll , incl. power cable, USB cable, user manual in German, English printed in DIN A5 format, one EML (20x8) roll of labels with 1000 labels, one ink ribbon (50 m)

Ordering data		
Type	Order No.	Pcs./Pkt.
THERMOMARK ROLL 2.0	1085260	1

Cutter , can be retrofitted, for precise cutting of continuous media into required lengths

Cutter , can be retrofitted, for perforating continuous media
--

External media hub , for roll diameters of 150 mm to 400 mm
--

Standard pressure roller

Pressure roller , for continuous shrink sleeve

Transport case

Trolley for TL-CASE transport case

Cleaning stick

Ink ribbon for roll printer , ink color: black, length: 300 m, width: 110 mm

Ink ribbon for roll printer and THERMOMARK CARD , ink color: white, length: 60 m, width: 110 mm
--

Ink ribbon for roll printer , ink color: black, length: 300 m, width: 110 mm

Ink ribbon for roll printer , ink color: black, length: 300 m, width: 110 mm

Ink ribbon for roll printer , ink color: black, length: 300 m, width: 110 mm

Ink ribbon for roll printer , ink color: black, length: 300 m, width: 110 mm

Accessories		
Type	Order No.	Pcs./Pkt.
THERMOMARK ROLL-CUTTER	5146422	1
THERMOMARK ROLL-CUTTER/P	5146435	1
THERMOMARK ROLL-ERH	5146448	1
TR-PRESSURE ROLLER STANDARD	0801802	1
TR-PRESSURE ROLLER DR4-50	0801800	1
TL CASE	0800613	1
TL CASE TROLLY	0803337	1
CLEANING STICK	5146697	5
THERMOMARK-RIBBON 110	5145384	1
TM-RIBBON 110 WH 100	0804661	1
THERMOMARK-RIBBON 110-WMTB HF	5148007	1
THERMOMARK-RIBBON 110-WMSU	0801358	1

THERMOMARK ROLLMASTER, thermal transfer printer for material off the roll



Thermal transfer for rolls

The THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600 complete the product range in the field of thermal transfer printers and excel, thanks to:

- High print speed
- Print resolution of 300 dpi
- The printers are ideal for marking large quantities and process all materials in roll format
- Easy and intuitive operation via touch color display
- The easy-to-use centering function for the printing material makes it possible to mark continuous media such as shrink sleeves
- High-quality resin-based ink ribbons ensure a form of marking that is resistant to mechanical and chemical effects
- Continuous media can be cut and perforated with a high degree of positioning accuracy

Notes:

For more ink ribbons, visit our online shop at: phoenixcontact.net/products.



Thermal transfer printer for material off the roll



Technical data

Dimensions		Width	Length	Height
	[mm]	380	460	288
General data				
Temperature range	[°C]	10 ... 40		
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	105		
Max. print length	[mm]	2000		
Interfaces		10/100 Mbps Ethernet / USB 2.0 / RS-232		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	10		
Operating system		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2		

Description

Thermal transfer printer for material off the roll, 300 dpi, incl. power cable, USB cable, user manual in German, English printed in DIN A4 format

Thermal transfer printer for material off the roll, 600 dpi, incl. power cable, USB cable, user manual in German, English printed in DIN A4 format

Cutting device, for THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600

Perforation device, for THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600

Adapter screw for using the existing THERMOMARK X1.2 CUTTER and THERMOMARK X1.2 CUTTER/P blade

External media hub, for roll diameters of 150 mm to 400 mm

Standard pressure roller

Pressure roller for continuous shrink sleeve
Transport case

Cleaning stick

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm

black

Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm

white

Ordering data

Type	Order No.	Pcs./Pkt.
THERMOMARK ROLLMASTER 300	0804501	1
THERMOMARK ROLLMASTER 600	0804663	1

Accessories

THERMOMARK ROLLMASTER-CUTTER	0804502	1
THERMOMARK ROLLMASTER-CUTTER/P	0804503	1
TRM-ADAPTER SCREW	0804653	1
THERMOMARK ROLL-ERH	5146448	1
TRM-PRESSURE ROLLER STANDARD	0804655	1
TRM-PRESSURE ROLLER 4-50	0804656	1
THERMOMARK ROLLMASTER-CASE	0804643	1
CLEANING STICK	5146697	5
THERMOMARK-RIBBON 110	5145384	1
TM-RIBBON 110 WH 100	0804661	1

Marking systems

THERMOMARK W2, thermal transfer printer for continuous shrink sleeve and continuous marking sleeve



Thermal transfer for rolls



Thermal transfer printer for continuous sleeve materials

The THERMOMARK W2 was specifically developed for double-sided printing and perforation of WMS(-2 HF) ... continuous shrink sleeves and continuous marking sleeves

- The double-sided printing ensures optimum legibility of the marking
- Shrink sleeve rolls can be inserted directly in the device, an external media hub is required for RL and RXL shrink sleeve rolls
- Guide elements ensure easy handling when inserting the sleeve
- The user-friendly interface of the PROJECT complete software enables you to enter custom specifications for the marking and marker length
- Ink ribbons in black and white are available for maximum contrast to the carrier material
- The printed markers can be easily and quickly separated along the perforations

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Max. print length	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating system	

Description	Color
Thermal transfer printer for material off the roll, 300 dpi, specifically for double-sided shrink sleeve printing, incl. perforation cutter, power cable, USB cable, user manual in German, English printed in DIN A4 format	
	gray

External media hub, for roll diameters of 150 mm to 400 mm

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm

black
white

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm

black
white

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm

black

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm

black

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm

black

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm

black
white

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm

black

ERC

Technical data		
Width	Length	Height
780	554	405
10 ... 35		
300 dpi		
105.6		
1000		
Serial (RS-232) / USB 2.0 / 10/100 Mbps Ethernet		
100 ... 240 / 50 Hz ... 60 Hz		
21		
MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2		

Ordering data		
Type	Order No.	Pcs./Pkt.
THERMOMARK W2	5146147	1

Accessories		
THERMOMARK ROLL-ERH	5146448	1
THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 110-WMSU WH	0801359	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1
THERMOMARK-RIBBON 110-WMTB HF	5148007	1
THERMOMARK-RIBBON 25-WMSU	0803390	1
THERMOMARK-RIBBON 64-WMSE	5145724	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1
TM-RIBBON 25 BK 102	1053499	1



THERMOFOX



Thermal transfer for rolls



Mobile thermal transfer printer for material off the roll

- Portable thermal transfer printer for material off the roll
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- Printing of self-adhesive labels, non-adhesive marking strips, and shrink sleeves
- The THERMOFOX prints materials in cassette format, which contain the material to be marked and the appropriate ink ribbon.
- Intuitive user guidance, thanks to a well-structured menu and direct input keys
- 8 different bar codes and over 300 symbols are integrated
- Alternative control via the PROJECT complete software

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating system	

Description	Color
Portable thermal transfer printer for material off the roll	
with Chinese firmware and Chinese marking	
with Russian firmware and Russian marking	
Portable thermal transfer printer for materials off the roll, with accessories (power supply unit with four interchangeable plugs, battery, USB cable, MM-EMLF (EX18) WH/BK, EMLC (EX18) WH/BK) materials in hard-shell case	
with Chinese firmware and Chinese marking	
with Russian firmware and Russian marking	

Hard-shell case for storing the THERMOFOX printer and accessories
Shoulder bag for transporting the THERMOFOX printer and accessories
Belt clip
Magnetic holder for placing the THERMOFOX printer on metal surfaces, e.g., on the control cabinet
Rechargeable battery for mobile operation of the THERMOFOX printer
Power supply unit for stationary operation of the THERMOFOX printer
Charging cradle for charging the battery (THERMOFOX/ACCU)



Technical data		
Width	Length	Height
98	230	69
5 ... 40		
203 dpi		
24		
USB		
100 ... 240 / 50 Hz ... 60 Hz		
656		
MS Windows 7, MS Windows 8.1, MS Windows 10		

Ordering data		
Type	Order No.	Pcs./Pkt.
THERMOFOX	0803984	1
THERMOFOX CN	0803985	1
THERMOFOX RU	1037760	1
THERMOFOX SET	0803986	1
THERMOFOX SET CN	0803987	1
THERMOFOX SET RU	1037743	1

Accessories		
THERMOFOX/CASE	0805002	1
THERMOFOX/BAG	0805003	1
THERMOFOX/BELT CLIP	0805004	1
THERMOFOX/MAGNET HOLDER	0805008	1
THERMOFOX/ACCU	0805009	1
THERMOFOX/ADAPTER	0805010	1
THERMOFOX/CHARGER	0805012	1

Cassettes for THERMOFOX



Thermal transfer for rolls



Mounting type: slide-on

- The MM-WMS ... and MM-WMS 2 ... shrink sleeves are suitable for marking prior to wiring and can be shrunk
- MM-WML ... is used for subsequent marking
- Practical material ink ribbon cassette for fast material changeover

General data

Can be marked with	
Material	
Temperature range	[°C]
Wipe resistance	
Components	
Shrink ratio	

Technical data

THERMOFOX
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium
3:1

Ordering data

Description	Color
Shrink sleeve in cassettes, can be marked with THERMOFOX	
1.0 - 3.2 mm conductor diameter	white
1.6 - 4.8 mm conductor diameter	white
2.1 - 6.4 mm conductor diameter	white
3.2 - 9.5 mm conductor diameter	white
Shrink sleeve in cassettes, can be marked with THERMOFOX	
1.6 - 3.2 mm conductor diameter	white
2.4 - 4.8 mm conductor diameter	white
3.2 - 6.4 mm conductor diameter	white
4.8 - 9.5 mm conductor diameter	white
Cable marker labels in cassettes, can be marked with THERMOFOX	
Up to 3 mm Ø	white
Up to 5 mm Ø	white

Type	Order No.	Pcs./Pkt.
MM-WMS 3,2 (EX5)R C1 WH/BK	0803923	1
MM-WMS 4,8 (EX9)R C1 WH/BK	0803924	1
MM-WMS 6,4 (EX10)R C1 WH/BK	0803925	1
MM-WMS 9,5 (EX16)R C1 WH/BK	0803926	1



Mounting type: slide-on



Mounting type: adhesive

Technical data
THERMOFOX
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium
2:1

Ordering data		
Type	Order No.	Pcs./Pkt.
MM-WMS-2 3,2 (EX5)R C1 WH/BK	0803927	1
MM-WMS-2 4,8 (EX9)R C1 WH/BK	0803928	1
MM-WMS-2 6,4 (EX10)R C1 WH/BK	0803929	1
MM-WMS-2 9,5 (EX16)R C1 WH/BK	0803930	1

Technical data
THERMOFOX
Vinyl polymer
-40 ... 80
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium
-

Ordering data		
Type	Order No.	Pcs./Pkt.
MM-WML 3 (EX10)R C1 WH/BK	0803931	1
MM-WML 5 (EX10)R C1 WH/BK	0803932	1

Cassettes for THERMOFOX



- Insert strips in continuous format
- MM-EMT ... is suitable for assembling KMK plastic cable markers as well as PATO/PATG marking collars
- Practical material ink ribbon cassette for fast material changeover



Thermal transfer for rolls



Mounting type: insertion

Can be marked with	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
THERMOFOX	
Polyester	
-5 ... 49	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone, halogen, and cadmium	

Description	Color
Insert label in cassettes, can be marked with THERMOFOX	
Lettering field size: continuous x 6 mm	white
Lettering field size: continuous x 8 mm	white
Lettering field size: continuous x 15 mm	white
Lettering field size: continuous x 17 mm	white
Lettering field size: continuous x 18 mm	white
Lettering field size: continuous x 23 mm	white

Ordering data		
Type	Order No.	Pcs./Pkt.
MM-EMT (EX6)R C1 WH/BK	0803963	1
MM-EMT (EX8)R C1 WH/BK	0803965	1
MM-EMT (EX15)R C1 WH/BK	0803966	1
MM-EMT (EX17)R C1 WH/BK	0803967	1
MM-EMT (EX18)R C1 WH/BK	0803968	1
MM-EMT (EX23)R C1 WH/BK	0803969	1

Cassettes for THERMOFOX

- The MM-EMLC ... and MM-EML ... self-adhesive labels are available as continuous material for equipment marking
- MM-EMLC ... is particularly suitable for applying around edges.
- Practical material ink ribbon cassette for fast material changeover



Mounting type: adhesive



Mounting type: adhesive

Can be marked with
Material
Temperature range
Wipe resistance
Components

[°C]

THERMOFOX
PA
0 ... 80
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

THERMOFOX
Polyester
-40 ... 149
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
MM-EMLC (EX10)R C1 WH/BK	0803933	1
MM-EMLC (EX12)R C1 WH/BK	0803934	1
MM-EMLC (EX18)R C1 WH/BK	0803936	1

Technical data

Ordering data

Type	Order No.	Pcs./Pkt.
MM-EML (EX10)R C1 WH/BK	0803970	1
MM-EML (EX10)R C1 SR/BK	0803974	1
MM-EML (EX12)R C1 WH/BK	0803971	1
MM-EML (EX12)R C1 SR/BK	0803975	1
MM-EML (EX18)R C1 WH/BK	0803972	1
MM-EML (EX18)R C1 SR/BK	0803976	1
MM-EML (EX24)R C1 WH/BK	0803973	1
MM-EML (EX24)R C1 SR/BK	0803978	1

Description	Color
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 10 mm	white silver
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 12 mm	white silver
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 18 mm	white silver
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 24 mm	white silver



Thermal transfer for rolls



Mounting type: adhesive

- The MM-EMLF ... material is suitable for a multitude of applications in the field of plant marking
- Available in six different colors
- Practical material ink ribbon cassette for fast material changeover

Can be marked with
Material
Temperature range
Wipe resistance
Components

[°C]

THERMOFOX
Vinyl polymer
-20 ... 75
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Technical data

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Label , highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 10 mm				
	blue	MM-EMLF (EX10)R C1 BU/WH	0803945	1
	green	MM-EMLF (EX10)R C1 GN/WH	0803950	1
	orange	MM-EMLF (EX10)R C1 OG/BK	0803955	1
	red	MM-EMLF (EX10)R C1 RD/WH	0803959	1
	white	MM-EMLF (EX10)R C1 WH/BK	0803937	1
	yellow	MM-EMLF (EX10)R C1 YE/BK	0803941	1
Label , highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 12 mm				
	blue	MM-EMLF (EX12)R C1 BU/WH	0803946	1
	green	MM-EMLF (EX12)R C1 GN/WH	0803952	1
	orange	MM-EMLF (EX12)R C1 OG/BK	0803956	1
	red	MM-EMLF (EX12)R C1 RD/WH	0803960	1
	white	MM-EMLF (EX12)R C1 WH/BK	0803938	1
	yellow	MM-EMLF (EX12)R C1 YE/BK	0803942	1
Label , highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 18 mm				
	blue	MM-EMLF (EX18)R C1 BU/WH	0803947	1
	green	MM-EMLF (EX18)R C1 GN/WH	0803953	1
	orange	MM-EMLF (EX18)R C1 OG/BK	0803957	1
	red	MM-EMLF (EX18)R C1 RD/WH	0803961	1
	white	MM-EMLF (EX18)R C1 WH/BK	0803939	1
	yellow	MM-EMLF (EX18)R C1 YE/BK	0803943	1
Label , highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 24 mm				
	blue	MM-EMLF (EX24)R C1 BU/WH	0803949	1
	green	MM-EMLF (EX24)R C1 GN/WH	0803954	1
	orange	MM-EMLF (EX24)R C1 OG/BK	0803958	1
	red	MM-EMLF (EX24)R C1 RD/WH	0803962	1
	white	MM-EMLF (EX24)R C1 WH/BK	0803940	1
	yellow	MM-EMLF (EX24)R C1 YE/BK	0803944	1

Cassettes for THERMOFOX

- The self-adhesive, continuous MM-TML ... label material is suitable for subsequent marking of terminal markers
- The non-adhesive, continuous MM-TMT ... marking strips are snapped into the marker groove of Phoenix Contact terminal blocks
- Practical material ink ribbon cassette for fast material changeover



Mounting type: adhesive



Mounting type: snap-on

Can be marked with
Material
Temperature range
Wipe resistance
Components

[°C]

THERMOFOX
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

THERMOFOX
Polyester
-5 ... 49
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

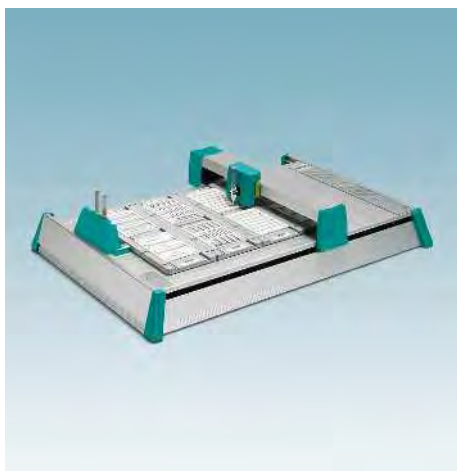
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels in cassettes, can be marked with THERMOFOX				
Lettering field size: continuous x 4.2 mm Lettering field size: continuous x 6.35 mm	transparent white	MM-TML (EX4,2)R C1 TR/BK	0803979	1
Lettering field size: continuous x 9.5 mm Lettering field size: continuous x 9.5 mm	transparent white	MM-TML (EX9,5)R C1 TR/BK	0803981	1

Technical data

Ordering data

Type	Order No.	Pcs./Pkt.
MM-TMT (EX6,35)R C1 WH/BK	0803982	1
MM-TMT (EX9,5)R C1 WH/BK	0803983	1



Plotter



Marking plotter

- During long periods of non-use, the plotter pens are stored safely in a pen station
- The pens are removed and deposited automatically
- The pen station of the PLOTMARK prevents the plotter pens from drying out
- An automatic marking preparation function ensures optimum marking results right from the first character
- The plotter is controlled via the PROJECT complete software
- The plotter can be connected to the computer quickly and easily via the Centronics or USB interface
- Easily operated with just a few buttons

Dimensions	
	[mm]
General data	
Lettering field size	[mm]
Max. material height	[mm]
Max. plotting speed	[m/s]
Interfaces	
Input voltage / frequency	[V]
Weight	[kg]
Operating system	

Technical data		
Width	Length	Height
480	690	155

Description	Color
Marking plotter , incl. power supply unit, connecting cable (Centronics and USB), CMS-PEN 0,25 pen, user manual, CLIP PROJECT planning and marking software	silver

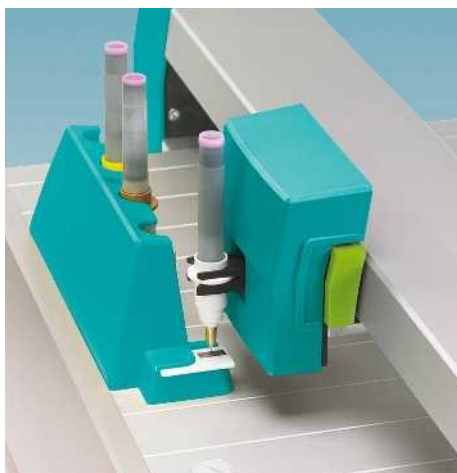
Ordering data		
Type	Order No.	Pcs./Pkt.
PLOTMARK	0804499	1

Pen station seal set , 4 replacement seals for the PLOTMARK pen station and 10 marking preparation plates, incl. assembly tool
Marking preparation plate , for the CMS-P1-PLOTTER and PLOTMARK pen stations

Accessories		
CMS-P1-PENDEPOT	5144835	1
CMS-P1-PREPLATES	5145135	1

Magazines and pens

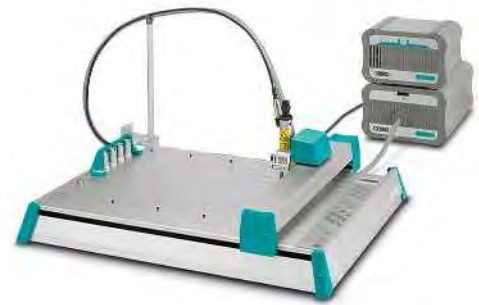
See page 52



ENGRAVING UNIT



Engraving



Engraving unit

- The ENGRAVING UNIT is the ideal marking solution for device and component marking applications subjected to high levels of mechanical and chemical stress
- The PLOTMARK can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device
- To allow different line thicknesses, engraving chisels with diameters ranging from 0.2 ... 1.0 mm are available as accessories
- These are supplemented by a comprehensive product range of pre-assembled engraving materials; see page 346.
- These materials remain in position and do not slip when used with the CMS-P1-M/GPE ENGRAVING plotter magazine

Dimensions	
	[mm]
General data	
Power supply	[V]
Weight	[kg]
Speed range	[RPM]
Collet chuck	[mm]
Power consumption	[W]

Technical data		
Width	Length	Height
250	350	

110 ... 240 / 50 Hz ... 60 Hz
8
5000 ... 50000
3
150

Description
Engraving unit , for the PLOTMARK, incl. operating instructions (English/German), data CD, and engraving chisel

Ordering data		
Type	Order No.	Pcs./Pkt.
ENGRAVING UNIT	0804500	1

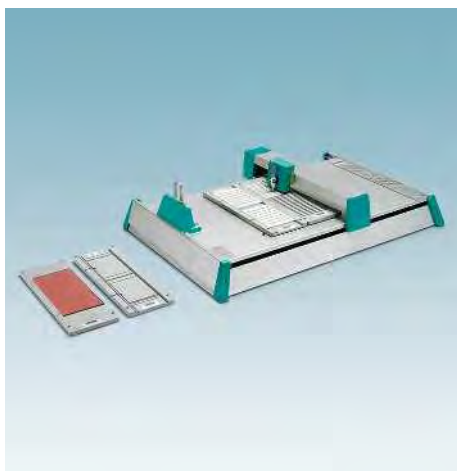
Engraving chisel, with a point angle of 15°
Point diameter 0.2 mm
Point diameter 0.3 mm
Point diameter 0.5 mm
Point diameter 0.7 mm
Point diameter 1.0 mm
Vacuum cleaner bag , 5 spare bags for replacement

Accessories		
P1 GRAVER 0.2	5145478	1
P1 GRAVER 0.3	5145481	1
P1 GRAVER 0.5	5145504	1
P1 GRAVER 0.7	5145517	1
P1 GRAVER 1.0	5145520	1

Magazine for CMS-P1-PLOTTER and the PLOTMARK, for accommodating EMLP ... and GPE... materials for engraving
- 1 GPE label sheet

P1 ENGRAVING VC BAG	5145559	1
CMS-P1-M/GPE ENGRAVING	5145711	1



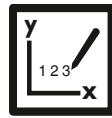


Magazines for marking plotter

- Robust plastic magazines for marking all standard marking materials
- Marking sheets that have already been started and have full rows remaining can continue to be used
- Partial marking is possible
- The plotter capacity is fully utilized, thanks to the size of the magazine
- If you cannot find the right magazine for your materials, please get in touch

Description		Color	Ordering data		
Type			Order No.	Pcs./Pkt.	
Magazine for CMS-P1-PLOTTER and PLOTMARK, for accommodating: UC-TM ..., UC-TMN ..., UC3-TM ..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)		gray	P1 UC-MAG 1	5146079	1
for accommodating UC-WMC 4,4...		gray	P1 UC-MAG 2	5146082	1
for accommodating UC-WMC 5,6..., UC-WMC 7,5...		gray	P1 UC-MAG 3	5146095	1
for accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...		gray	P1 UC-MAG 4	5146105	1
for accommodating UC1-TM..., UC1U-TM..., UC2-TM...		gray	P1 UC-MAG 5	5146118	1
for accommodating: UC-EM..., UC-EMP..., UC-EMLP..., UC-EMSP..., and UC-WMTB...		gray	P1 UC-MAG 6	5146121	1
for accommodating: UC-WMCO ...		gray	P1 UC-MAG 7	5146568	1
Plastic magazines for CMS-P1-PLOTTER and PLOTMARK, for accommodating:					
- 22 zack marker strips			CMS-P1-M/ZB	5144699	1
- 26 flat zack marker strips or ZBN strips			CMS-P1-M/ZBF	5144709	1
- 2 zack marker sheets			CMS-P1-M/ZBM	5144660	1
- 3 flat zack marker sheets			CMS-P1-M/ZBFM	5144686	1
- 22 contactor label zack marker strips			CMS-P1-M/SS-ZB	5144712	1
- 4 to 6 PABA marker bars			CMS-P1-M/PAB	5144741	1
- 30 stud-type ZB strips			CMS-P1-M/BN-ZB	5144725	1
- 1 GPE label sheet			CMS-P1-M/GPE	5144754	1
- 20 strips LBHZ conductor marking			CMS-P1-M/LBHZ	5144738	1
- 1 GPE label sheet			CMS-P1-M/GPE ENGRAVING	5145711	1
Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4			CMS-P1-PAD	5144819	1
			Accessories		
Adapter plate for WMU magazines, for using the universal CMS-WMU replaceable frame with the magazine inserts of the CMS-MCP 3 plotter			CMS-P1-WMU-ADAPTER	5144822	1
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-M/GPE ENGRAVING, one fixation pad, sufficient for one magazine			CMS-P1-M/GPE-PAD	5144880	1
Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format			CMS-P1-PAD/SPARE	5144893	1

Plotter pens



Plotter



Pens for marking plotter

- Plotter pens for high-quality product marking
- Wipe-resistant, high-quality print image
- Both reusable and disposable plotter pens are available

Description	Color
Disposable plotter pen , non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-TR-C 5 ink, for the highest requirements	
Line thickness 0.25 mm	black
Line thickness 0.35 mm	black
Pens , incl. adapters, ink reservoir, and pen station, for different line thicknesses, without ink	
Line thickness 0.25 mm	black
Line thickness 0.35 mm	black
Line thickness 0.50 mm	black

Cleaning set for pens, consisting of: 1 cleaning cup, 2 cartridges, each with 10 ml cleaning fluid and 2 spare sealing caps for the pen station

Cleaning cartridges with spare sealing caps, 2 cartridges, each with 10 ml cleaning fluid and 2 caps

Cleaning fluid, 30 ml

Ink cartridge, for CMS-PEN...

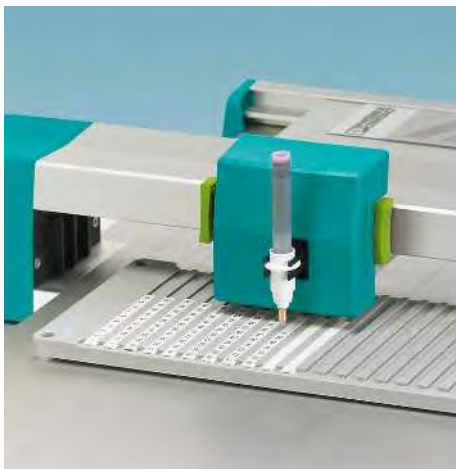
ERC

Ordering data

Type	Order No.	Pcs./Pkt.
CMS-DISPOSABLE-PEN 0,25 TR	5146685	1
CMS-DISPOSABLE-PEN 0,35 TR	5146686	1
CMS-PEN 0,25	5067815	1
CMS-PEN 0,35	5067828	1
CMS-PEN 0,50	5067831	1

Accessories

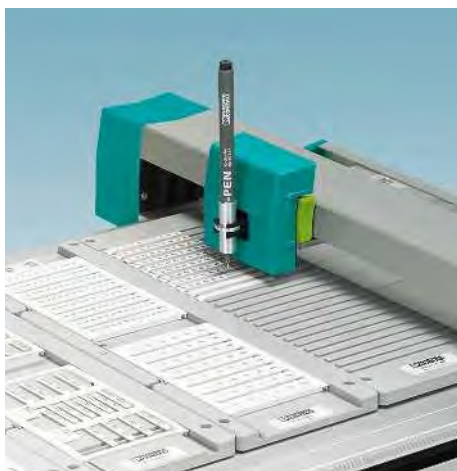
CMS-R-SET-TR	5146751	1
CMS-R-FLUID-TR-C2	5146752	1
CMS-R-FLUID-TR	5146750	1
CMS-INK-TR-C5	5146684	1



Marking and labeling – MARKING system

Marking systems

Marker pen for plotter and manual marking



- High-quality marking of marking materials, can be performed manually or with the plotter
- Used in conjunction with the P-PEN ADAPTER when combined with plotter
- Disposable pen



Pen for marking plotter

Description		Color
Disposable pen, non-refillable, for manual marking, can be also used for plotter marking when combined with the P-PEN ADAPTER		
		black

Ordering data		
Type	Order No.	Pcs./Pkt.
P-PEN	0815211	10

Accessories		
P-PEN ADAPTER	0815224	1

Description		Color
Aluminum adapter, for affixing the P-PEN when plotter marking		

Marker pen for manual marking



- High-quality marking of marking materials is even possible without using marking devices
- We provide three versions for manual marking
- Refillable pen: X-PEN
- Disposable pen: B-STIFT
- Disposable pen: P-PEN, can also be used for plotter marking when combined with an adapter



Marker pen for manual marking

Description		Color
Marker pen, refillable, for manual marking, 0.35 mm line thickness, can be refilled with CMS-INK-TR-C 5, supplied without ink		
		black

Ordering data		
Type	Order No.	Pcs./Pkt.
X-PEN 0,35	0811228	1

Accessories		
CMS-INK-TR-C5	5146684	1

Description		Color
Ink cartridge, for CMS-PEN...		
		black

Marker pen for manual marking

- High-quality marking of marking materials is even possible without using marking devices
- We provide three versions for manual marking
- Refillable pen: X-PEN
- Disposable pen: B-STIFT
- Disposable pen: P-PEN, can also be used for plotter marking when combined with an adapter



Marker pen for manual marking

Ordering data		
Description	Color	Type
Marker pen, non-refillable, for manual marking, line thickness 0.5 mm	black	B-STIFT
		Order No.
		1051993
		Pcs./Pkt.
		10