



pavonis
THERMO MARKING BY MP

pavonis Thermal transfer printer

Desktop thermal transfer label printer

Thermal transfer printer – with a huge range of labels



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Art. No. 86 66 17 20

pavonis Thermal transfer printer

The new **pavonis** thermal transfer printer has a better price-performance ratio than any other printer in its class. It offers high-resolution 300 dpi printing at 127 mm/second and is the new standard printer for label roll materials as supplied by Murrplastik.

Its Ethernet interface means it can be installed on print servers, so that it can then be used by multiple workstations. The ribbon bracket for 300 m rolls reduces the frequency at which print film needs to be changed.

The optional cutting/dispensing assembly makes print process handling even easier.

Advantages:

- Large output volume
- Excellent print quality
- High-durability lettering
- Simple handling
- Works with standard ACS software
- Large label range
- USB and Ethernet ports



Suitable materials:

TEP - polyester labels



Polyester 50 µm film with a slight gloss and a surface coating to ensure outstanding colour fixing when lettering using thermal transfer print systems and synthetic resin-based thermal transfer ribbons. The smooth surface of the material enables full-coverage colour transfer, ensuring

precise lettering. The polyester labels are suitable for adhesion to metal, gloss paints and high surface energy plastics.

The permanent acrylate adhesive exhibits high initial adhesion and min. 1006 N/m adhesion on steel after 72 hours (FTM 1). The silver polyester labels are UL-certified for thermal transfer printing using our resin ribbons.

Material:	Self-adhesive polyester film (PET)
Colour:	Silver, white and yellow
Film thickness:	50 µm ±10 % (to ASTM D 3652)
Adhesive:	Permanent acrylate adhesive with high ultimate strength
Adhesive strength:	1006 N/m on steel after 72 hours (FTM 1)
Usable temperature range:	-40 to 150 °C
Adhesive temperature:	At least 10 °C
Fabrication:	Outside-wound
Characteristics:	Extremely resistant to many chemicals, brine, alcohol and common household cleaners; for interior and exterior use
Certification:	UL-Listing
Recommended ribbon:	Smudge-proof FH resin ribbon or highly solvent-resistant FH+ resin ribbon (smudge- and scratch-proof),

Case example:



TEG - Fabric labels



This self-adhesive woven nylon fabric is both flexible and strong.

The TEG fabric labels have a surface coating to ensure outstanding colour fixing when lettering using thermal transfer print systems and resin- or wax/resin-based thermal transfer ribbons.

The permanent acrylate adhesive exhibits high initial adhesion, meaning labels can be processed easily.

These labels are especially suited for tagging electrical systems, identifying operating facilities, for adhesion over edges or radiuses, for cable marking or for use in switch cabinet installations.

Material:	Self-adhesive woven nylon fabric
Colour:	Yellow and white
Usable temperature range:	-30 to 100 °C
Fabrication:	Outside-wound
Characteristics:	Permanently adhesive, highly flexible and strong, resistant to water, alcohol and common household cleaners
Recommended ribbon:	Smudge-proof FH resin ribbon or highly solvent-resistant FH+ resin ribbon (smudge- and scratch-proof), or FH wax/resin mixed ribbon

Case example:



TES - Self-laminating vinyl labels



These self-laminating cable tags are ideal for labelling cables, lines and wiring. On the upper edge, they are provided with a printable, coloured box and can be removed easily from the backing paper after printing. As an additional protection from external environmental factors, the lettering is wrapped with self-adhesive laminate.

In addition, the backing paper is printed with precisely-dimensioned stripes for optimum sensor detection. The special film is only 0.05 mm thick, clings well and is highly flexible. This ensures that the cable tag will not peel back up, even when used for cables with small diameters.

The high-transparency laminate ensures the printed lettering remains easy to read. These cable tags can be printed using the Murrplastik Pavonis.

Material:	Self-adhesive film
Colour:	Transparent with white/yellow label field
Film thickness:	50 µm
Adhesive:	Permanent, water-based acrylate adhesive, strongly adhesive with high ultimate strength
Usable temperature range:	-20 to 80 °C
Adhesive temperature:	At least 10 °C
Fabrication:	Outside-wound
Characteristics:	High-cling film, highly resistant to water, brine, alcohol, oils, common household cleaners and weak acids
Recommended ribbon:	Smudge-proof FH resin ribbon

Case example:



FH - Resin-based ribbons



The FH resin-based ribbons are ideal for printing on glossy synthetic films.

Printing takes place at high temperatures for optimum durability.

The field of application for FH resin-based ribbons is, naturally, synthetic labels with a need for high durability.

While the FH series already offers good smudge-proof qualities at optimum printing temperature, the FH+ series is smudge- and scratch-proof, and is also resistant to many cleaning agents and oils.

Optimum durability is offered by the FH+ range, which is resistant to handling with most industrial cleaners and oil vapours.

The FH resin-based ribbons are 300 m long and outside-wound. This means they are suited for printing with the Murrplastik **pavonis**.

FHW - Resin/wax mix-based ribbons

Ribbons based on a mix of resin and wax are ideal for printing onto matte synthetic films and laminated/coated papers, matte polyesters, polypropylene, polyolefins (shrink-wrap films), polyethylene, vinyl (PVC) and polyimides. They can also be used to print onto matte and glossy synthetic films.

Printing takes place at room temperature. In general, printing with FHW resin-wax ribbons offers a broad field of applications for almost all materials with a medium to low level of durability requirements.

The FH resin-wax ribbons are 300 m long and outside-wound. This means they are suited for printing with the Murrplastik **pavonis**.

Technical data:

Resolution:	300 dpi
Printing method:	thermal transfer
Print speed:	50.8 – 127 mm/s
Maximum print width:	106 mm
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Dimensions (L x W x H):	314 mm x 213 mm x 188 mm
Ribbon reels:	300 m, 25.4 mm core
Label reels:	127 mm outside diameter
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Processor:	32-bit RISC high-performance processor
Memory:	<ul style="list-style-type: none"> • 4 MB flash memory • 8 MB SDRAM • SD card reader for expanding memory by up to 4 GB
Ports:	<ul style="list-style-type: none"> • RS-232 (max. 115,200 bps) • Centronics • USB 2.0 (full-speed mode) • Ethernet
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Power:	
Alternating current, Input:	100–240 V universal Switching power supply
Direct current, output:	24 V with 3.75 A (external adapter)
Control switches:	<ul style="list-style-type: none"> • 1 power switch • 1 feed key • 1 LED (3-colour)
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Material type:	Continuous-feed, pre-cut, black stripe, fanfold, notched
Material winding:	Outside-wound label
Material width:	20 – 112 mm
Material thickness:	0.06–0.19 mm, max. 150 g/m ²
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Ambient conditions:	
Operation:	5 °C ~ 40 °C (41 °F ~ 104 °F), 25 ~ 85% rel. humidity, non condensing
Storage:	-40 °C ~ 60 °C (-40 °F ~ 140 °F), 10 ~ 90 % rel. humidity, non condensing
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Safety standards:	FCC Class B, CE Class B, C-Tick Class B, UL, CUL, TÜV/GS, CCC
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Accessories:	<ul style="list-style-type: none"> • Installed cutting assembly • External universal switching power supply • Network cable • Label reel holder • 2 x fixing plates • 2 x core adapters 38.1 mm (1.5") • 2 adapters for fitting film rolls • Paper core for film winding
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