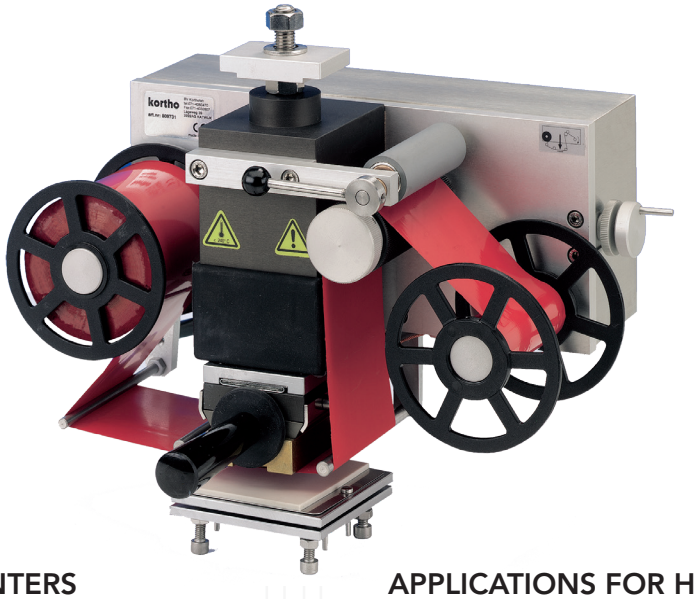
kortho
coding & marking

HOTPRINTERS M-40/80/150



KORTHOS HOTFOIL PRINTERS

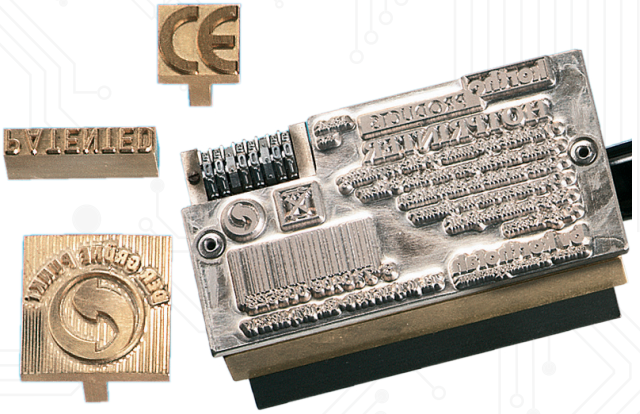
The first generation Kortho Hotprinter became available in 1986. With more than 10,000 units sold, Kortho Hotprinters are highly developed and extremely reliable machines. Machines that have been running for more than 15 years can still be found operating all over the world. Finally, the Kortho Hotprinters' broad range of settings, make it possible to produce clear and smooth printing on even the most difficult of surfaces.
Hotfoil Print (or Hotstamp or Hotprint) is regarded as the precursor to TTO. Like with TTO ink is also melted from a ribbon onto the surface to be printed (substrate).
However, in Hot printing this is done with a heated magnesium cliché instead of a digitally controlled print head. To change the print, this plate therefore has to be physically exchanged. It is however possible to print incremental numbers or dates by using a date-wheel or numberator. Because Hotprint is economic, extremely reliable and produces better adhesion than TTO, it is widely used.

SCRATCH RESISTANG CODING ON ANY SURFACE

With Hotfoil a ribbon with solid ink is printed across the substrate by the printer. The heated magnesium cliché then briefly presses the film onto the material to be printed, melting the ink across and creating the print. The material to be printed needs to be static during printing (intermittent).
For a (continuous) production line where products have to be printed while in motion a buffer balance can be used. This creates a standstill moment of the product so printing can be done. Because Hotprint has a longer stamping time and uses more energy for printing images are more scratch proof and adhesion is better compared to TTO.

APPLICATIONS FOR HOTFOIL PRINTING

Because of their robust mechanical character, Hotprinters are mainly used for primary stages of production processes in which TTO print heads cannot operate.
For example in dusty, heavy industrial factories and agricultural or construction industries. For applications where prints do not need to change too often, or only incrementally increasing numbers or dates are required, its low purchase cost can be the deciding factor for using a Hotprinter.
Finally, a Hotprinter is able to print very sharp logos/images onto difficult surfaces such as hard synthetics, fibres or even leather.



100% MADE IN HOLLAND

HOTPRINTERS M-40/80/150

SPECIFICATIONS KORTHO HOTPRINTERS

- One of the most economical product coding methods
- Extremely durable and practically maintenance-free
- Low purchase price
- Broad range of Hotprinters for any application
- Can be used on continuous as well as intermittent lines when combined with a balance
- Clichés can be ordered 'tailor-made', including date or numbering stamps
- Very suitable for printing on difficult surfaces such as hard plastics, leather and textiles
- Extremely sharp and scratch proof print images
- Codes on foil, labels, sealing clips, tags, packaging film, tough synthetics and even leather
- Broad adjustment options related to printing pressure, printing times and template temperature
- Ribbon colours available in black, white, green, blue, brown and red
- Many ribbon types such as wax, wax-resin and resin
- Can be used in the most challenging environments
- In harsh conditions with a high risk for contact with "dust or sand" Hotprint assures the best printquality
- Highly reliable and maintenance-free
- Extremely long lifespan
- Low ribbon use through precise ribbon settings

Hotprint M-40 specifications: The Hotprinter for small prints at high speed

- For printing best before dates and/or batch numbers by using a numberwheel or datewheel
- Extreme reliability, low acquisition cost, adhesion quality to difficult surfaces
- Print area of 20 x 40 mm
- Printing speed up to 500 PPM

Hotprint M-80 specifications: The all-round Hotprinter

- For printing scratch proof, durable logos and images onto surfaces unprintable with TTO printers
- For printing type designations, logos that do not change much or for coding difficult to print surfaces
- Print area of 50 x 80 mm
- Printing speed up to 300 PPM

Hotprint M-150 specifications: The Hotprinter for large scratch proof prints

- The large print area provides enough room for templates in combination with a date- or numberwheel
- Commonly used in harsh environments
- Print area of 100 x 150 mm
- Printing speed up to 180 PPM

TECHNICAL SPECIFICATIONS

	M-40	M-80	M-150
Max. printing area (in mm)	20 x 40	50 x 80	100 x 150
Max. coding speed (p/min)	500	300	180
Max. coding speed at full area print	250	150	50
Stamping pressure at 6 bar (N)	500	1.700	3.000
Max. lengte hotprintfolie (in meters)	305	305	610
Max. width Hotfoil (in mm)	43	83	153
Max. Hotfoiltransport (in mm)	22	52	152
Stamping temperature (C)	0 - 240	0 - 240	0 - 240
Power rating (Watt)	2 x 150	2 x 250	2 x 250
Operation pressure (in bar)	4 - 6	5 - 8	5 - 8
Air consumption (litres/print, at 6 bar)	0,19	0,62	1,2

BV KORTHOFAH

Lageweg 39
NL-2222AG Katwijk

T: +31 (0) 71 40 60 470
M: export@kortho.nl

www.kortho.com

100% MADE IN HOLLAND