



Hot Foil Stamping and beyond. **Promatrix 106 FC.**



Refinement and Embossing at high level.

Promatrix 106 FC.

Hot foil embossing and surface finishing is highly demanded by the packaging and label industry for high-class cosmetics and food grade packaging, as well as for the cigarette packaging and premium confectionery industry. The Promatrix 106 FC is designed especially for this realm and to also process holographic applications. Consequently the Promatrix 106 FC is the ideal solution for label and packaging printers looking to provide their customers with the best service possible and enhance their portfolio by additional solutions meeting the market requirements.

The Promatrix product family has been extended by a new hot foil stamping machine: Promatrix 106 FC. It evolved from the proven Promatrix 106 CS technology and can be used for hot foil stamping or just as a die-cutter whenever needed. This gives you the flexibility to offer a comprehensive product portfolio, widen your production options and, at the same, time operate professionally and with high efficiency.

The hot foil module of the Promatrix 106 FC offers the opportunity to apply metallic effects and even emboss structures or reliefs in a single work flow. Both, the hot foil embosser's economical technology as well as its optimized foil feed and thus, low material consumption are a particularly impressive combination of features. As a result the Promatrix 106 FC pays quickly in particular with large production jobs.

Also smaller or even smallest production jobs can be efficiently finished with brilliant metallic surface effects. Why? The Promatrix 106 FC offers not only easy touch-screen control and comfortable set up of hot foil data with a separate computer system, but also high flexibility due to the optional chase changing table offering comfortable and ergonomic operation and shorter changeover times.

You are completely flexible with the Promatrix 106 FC because it processes an incredibly large range of printing material, from paper with a weight of 90 g/m², via cardboard or solid board of up to 2,000 g/m², to corrugated board with a maximum thickness of 4 millimeters. The Promatrix 106 FC combines outstanding quality with efficient workflow – at processing speeds up to 7,500 sheets per hour. Sheet formats ranging from a minimum of 300 × 350 mm to a maximum of 760 × 1,060 mm can be processed. The Promatrix 106 FC basic equipment comprises three feeding shafts along running direction (extendable to six) and two further feeding shafts across running direction. During production the remaining foil is disposed by a motorized brush system. Optionally a rewinder can be used to cleanly wind-up max. six foil lanes.

The Promatrix 106 FC is manufactured by Masterwork, advanced, exclusively distributed and backed up by Heidelberg's professional and renowned worldwide sales- and service network.

 heidelberg.com/hot-foiling

Decisive Characteristics. The Facts at a Glance.



Features:

- High machine speed: 7,500 s/h
- High cutting pressure: up to 300 tons
- 20 individual controlled heating zones
- High flexibility by foil path transversal and longitudinal
- Easy set-up and data saving of foil relevant data at separate computer system
- Easy foil changing from operator side, thanks to telescopic foil feeding bars
- Optional device to do hologram applications
- Optional chase changer to prepare jobs outside of the machine during production
- Optional rewinder as alternative for foil disposal with brush system
- Non-Stop function in feeder and delivery

Highlights:

- The basic machine is already equipped with all functions and equipment to start hot foil stamping or die-cutting
- The basic machine possess three longitudinal foil feeding shafts (optional up to six) and two transversal foil feeding shafts
- Short set-up times, due to a smart operator concept and additional equipment e.g. chase changer
- Easy machine and hot foil unit handling
- Job data saving of foil relevant data
- Good price-performance ratio

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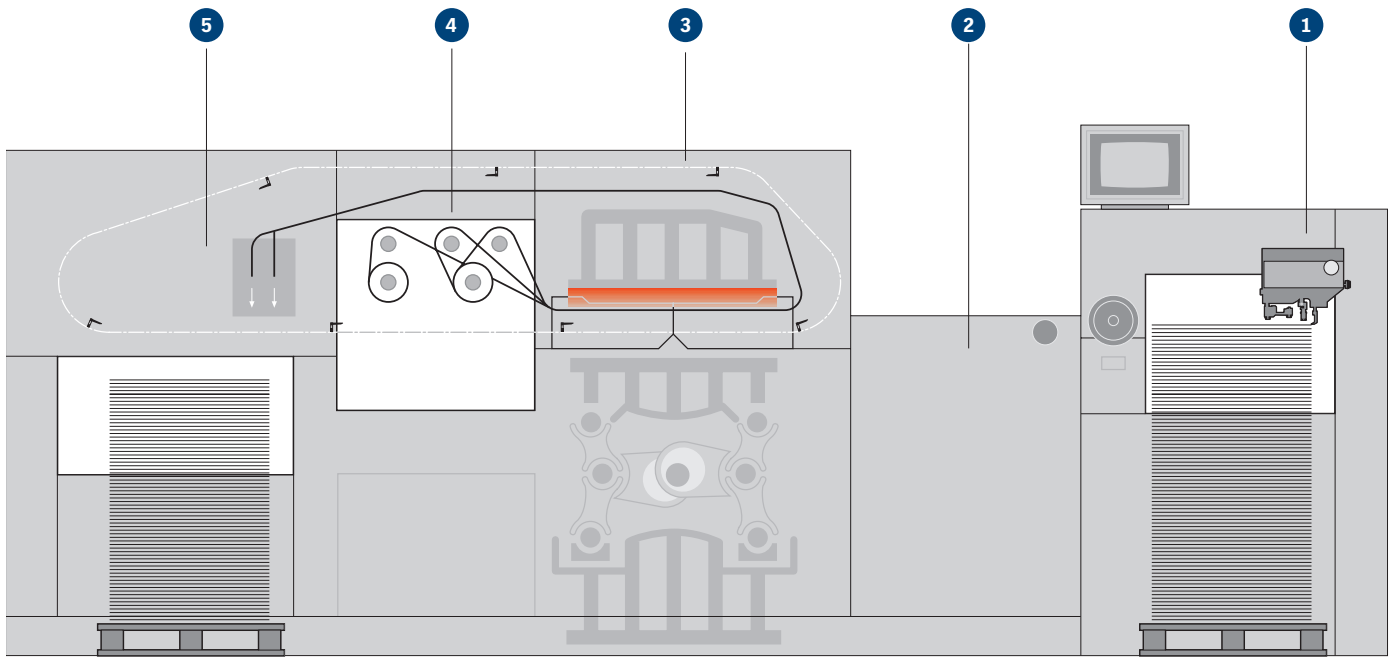


For value retention and maximum performance:

Service Agreements.

- Service agreements offer security and peace of mind, while at the same time providing you with the benefits of full cost control and simple administration
- Servicing by highly trained technicians
- Exclusive use of original service parts
- Protection of your machine investment
- Retention of a high resale value

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The machine shown is a sample configuration. Some of the equipment features mentioned are optional.



1 Non-Stop-Feeder

- Suction head for paper, board, corrugated
- Suction head with quick positioning function
- Pile platform with motorized side alignment
- Mechanical double sheet detection



2 Feed Table

- Register system
- Pull/push side lay on operator and drive side
- Suction belt table
- Equipped with central positioning for rollers and brushes
- Four front lays with activable optical monitoring
- Ultrasonic double-sheet detector

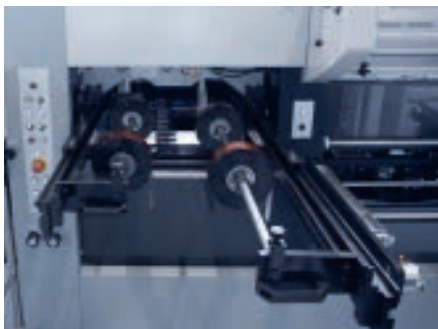


3 Cutting Station

- Register system
- Motorized cutting pressure adjustment
- Pneumatic locking and opening of upper and lower tools
- Cutting plate fine adjustment
- Air cushion for easy cutting plate handling
- Chase Changer (option)

Technical Data

Suitable Material	Promatrix 106 FC
Paper (min.)	90 g/m ²
Cardboard (max.)	2,000 g/m ²
Corrugated Borad (max.)	4.0 mm
Performance Date:	
Sheet size (max.)	760 × 1,060 mm
Sheet size (min.)	300 × 350 mm
Cutting pressure (max.)	3.0 MN / 300 t
Machine speed (max.)	7,500 sph
Hot Foil Stamping:	
Hot Foil speet	7,500 sph
Hologram (option) speed	5,500 sph
Temperature	max. 180° C
Number of heating zones	20
Foil reel diameter: longitudinal transversal	max. 250 mm max. 200 mm
Foli width	20 – 1,060 mm
Pile Heights (incl. pallet):	
Feeder pile (max.) ohne Non-Stop with Non-Stop	1,500 mm 1,200 mm
Delivery pile (max.)	1,400 mm



4 Hot Foil Unit

- 3 longitudinal foil feeding shafts
- 2 transversal foil feeding shafts
- Hologram device (option)
- 20 heating zones
- Telescopic foil feeding bars
- Motorized brush device for foil disposal
- Rewinder (option)



5 Delivery

- Non-Stop rolling carpet
- Pneumatic flap for test sheet removal
- Motorized adjustment of brake brush power



6 Hot Foil Computer System

- Calculation of foil feeding steps
- Adjustment of temperature & cutting pressure
- Regulation of the hologram application
- Job data saving
- Simulation of foil feeding steps

Features and Benefits.

Promatrix 106 FC.*

Cutting Speed.



7,500

SPH.

Format: 760 x 1,060 mm

XL 106.

Compatible with all Heidelberg
70 x 100 Speedmaster presses,
including the Speedmaster XL 106.



Safe Operation.

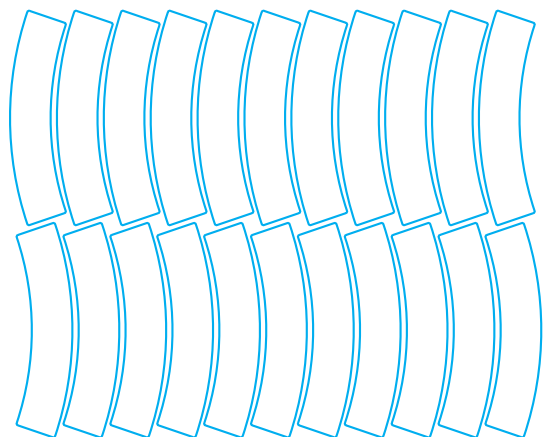
Confirmed by GS approval.

Easy handling

by reasoned foil
computer system.

Hot Foil Stamping – Hologram Application – Die-Cutting

Adds value to **labels** and **packaging**
boxes for cosmetic, foodstuff, cigarette
and premium confectionery.



Transversal and longitudinal foiling paths.

Cutting pressure.

300

tons.

* See reverse

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For details on the emissions of the Promatrix 106 FC, please visit us at heidelberg.com/emissiondetails

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