

iFOIL

*Complement your JETvarnish 3D with
Inline Embossing and Hot Foil Stamping*

New



JETVARNISH 3D



Technical Specifications

Open the doors to digital embossing and hot foil stamping with your **JETvarnish 3D** and **iFOIL** solution.

Through a revolutionary digital process, the **iFOIL** eliminates the need for films, dies and makeready, allowing you to produce hot foil stamping and embossing jobs from one to thousands of sheets with both very high profitability and ease of use. From magazine covers, books, brochures, labels, to invitations and packaging, offer new services and exceptional benefits to your customers.

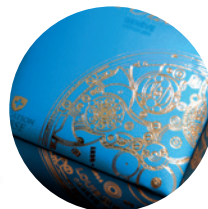
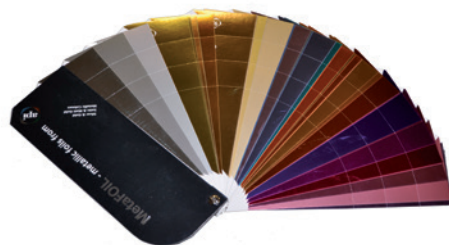
Spectacular and unique effects are now available within a 100% digital process:

- embossing and debossing
- multiple colored foils applied in one pass (up to 3 colors)
- and foil on foil

Exploiting both visual and tactile excitement that the **JETvarnish 3D** and **iFOIL** brings, not only will you now be able to finally bring Hot Foil Stamping in house, but you will be able to do it with virtually no set up and high speeds but also the possibility to offer a new never before seen finish; the personalization of embossed hot foil.

Easy to use, **iFOIL** works in-line with the **JETvarnish 3D** digital spot UV coater. A software suite allows you to easily understand and modify layouts, with sizes ranging from **A4** format to **52 x 105** cm and on paper substrates ranging from **150 to 700 microns**.

It is possible to make hot stamping with **iFOIL** from printing done on offset and digital presses including **METEOR Digital Press Series**.



Production speed

Up to 1,700⁽¹⁾ B2 sheet size per hour (or 25m/min)

Formats

- **Min.** : 21 x 30 cm / 8 x 11.8"
- **Max.** : 52 x 105 cm / 20 x 42"

Substrate Thickness

- **Min.** : 150 gsm and not less than 150 microns/6 mil before printing & lamination
- **Max.** : 600 gsm and not less than 700 microns/24 mil before printing & lamination

Substrates

Foil finishing on most⁽²⁾ matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastic, PVC and other coated materials.

Films

Using most⁽²⁾ of the hot and cold foil.
Optimization system of the film consumption

Rolls

Roll size: 30 cm in maximum diameter and approximately 2,000 meters of film
Minimum width of 10 cm.
Up to 3 film rolls simultaneously
2 cores available : 1 and 3 inches

Hot Foil Stamping

On a size 52 x 74 cm, hot foil stamping surface can not exceed 51.5 x 68 cm

Embossing

From 6 up to 200⁽³⁾ microns in thickness.
The surface of the metallized film may be covered with a layer of varnish

Compatibility

Online module that connects to all JETvarnish 3D

Dry Air

6 bar / 87 PSI
Min 150 - 200 max L/hour
Inside diameter of 10mm

Dimensions & Weight

2,44 x 1,60 x 1,52 meters (L x W x H)
850 kg/ 1,873 lbs

Electrical Requirements

20 kW (32A) at 400 volts - 50/60 Hz
1 plug CEE/IP44 32A (3P+N+E)

- ⁽¹⁾ speed will vary according to printing parameter used
⁽²⁾ confirm substrate/toner/metallic film compatibility with MGI
⁽³⁾ JETvarnish 3D twin option required



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