

#### COMPATIBILITY TABLE:

|                                                                                  |                                                                                               |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  | Duplo Dusense DDC 8000 and Dusense DDC 810.                                                   |
|  | MGI Jetvarnish 3D one, JETvarnish 3D, JETvarnish 3DS, JETvarnish 3D Evo and JETvarnish 3D Web |
|  | Scodix Ultra 1000, Ultra 2000, Ultra 3000, Ultra 4000, Ultra 5000 and Ultra 6000              |

We offer compatibility tests on request with no questions asked. We continuously keep updating validations in current equipment from the market. Free consultation.

#### CONSUMABLES:

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| <b>Metallic foils</b>   | gold, silver, red, blue, copper, etc.           |
| <b>Other foils</b>      | Holographic, milky way, sparkler, crystal, etc. |
| <b>Varnishing films</b> | gloss, matte, spot gloss and spot matt.         |

#### TECHNICAL SPECIFICATIONS:

|                                 |                                                                                                                                                                                                                                                                             |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Speed:</b>                   | 10 m/m* production and 22 m/m mechanical.<br>1,700 B4 sheets / hour*<br>1,300 SRA3 sheets / hour*                                                                                                                                                                           |
| <b>Format and paper weight:</b> | Min: 220x220mm<br>Max: 380x700mm<br>130 – 350gsm                                                                                                                                                                                                                            |
| <b>Feeder System:</b>           | Neumatic feeder with two air suction units.<br>Stack height 200mm and 80 Kg capacity.                                                                                                                                                                                       |
| <b>Varnish hickness:</b>        | 0 – 80 µm                                                                                                                                                                                                                                                                   |
| <b>Feeder system:</b>           | 2 transport wheels, frontal gates and side guide.<br>Pneumatic feeder with two suction groups (Automatic model). Pile height 200mm and 80 Kg capacity (Automatic model) +/- 2 mm overlap accuracy.                                                                          |
| <b>Foiling unit:</b>            | Silicone heating roller filled with thermal oil and sealed.<br>Pressure roller filled with thermal oil and sealed.<br>Automatic self-regulated accuracy pressure system.<br>Up to 101 Newtons / linear mm pressure.<br>Mechanical non scratch decurling rolling bar system. |
| <b>Delivery unit:</b>           | 1 fan battery for cooling foil.<br>1 fan battery to ease the exit.                                                                                                                                                                                                          |
| <b>Safety and protection:</b>   | CE standards, emergency stops and safety sensors.<br>Continuous equipment protection monitoring on feeding, pressure and heating systems.                                                                                                                                   |

\* Depending on foil, external conditions, type of paper, paper grammages and formats.

#### DIMENSIONS AND WEIGHT



|                | <b>FOILER 3D</b>   | <b>FOILER 3D auto</b> |
|----------------|--------------------|-----------------------|
| <b>Width:</b>  | 1070 mm            | 1070 mm               |
| <b>Length:</b> | 1650 mm            | 2045 mm               |
| <b>Height:</b> | 1450 mm            | 1450 mm               |
|                | 340 Kg             | 400 Kg                |
|                | 230 V single phase |                       |
|                | 3.2kW 13, 3A       | 4kW – 16A             |



# FOILER 3D

HIGH PERFORMANCE DIGITAL FOILER

**METALLICS ON TOP OF DIGITAL RAISED VARNISH.  
SENSORIAL PRESSURE. SUPERCHARGED FOILER.**

Look sharper. Feel better  
Robust. Built to last  
Up to 1.100 sheets an hour



**Bagel Systems**, is an equipment manufacturer, based in Barcelona focused on developing and manufacturing added value laminating equipment for the graphic arts and packaging industry.

Market leader with the integration of OMRON technology for finishing equipment, **Bagel Systems** delivers the best offset and best digital laminating productivity ratios.



**Bagel Systems** is a trademark of **Bagel Systems S.L.** **Bagel Systems** has a policy of continuous improvement and reserves the right to amend any above specification without prior notice.



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# SENSORY FOIL

# FOILER<sub>3D</sub>

Our foiler for 3D spot varnish surface is finally here. Its performance and reliability are enormous thanks to all the reengineering carried out. It includes higher precision temperature sensors, a special sensory pressure system and our latest rewinding system technology. This is the first foiler of a new species. And it is a beast!

## ADVANTAGES



### SUPERIOR QUALITY

With the best technological proposal on the market; **FOILER<sub>3D</sub>** provides an unparalleled finish for medium and large productions. This is possible thanks to its heating and pressure system, both oil heated, very stable, very robust and equipped with a greater level of precision.



### ROBUST

Equipped with a 5 mm thick steel platform and tower structure. **FOILER<sub>3D</sub>** guarantees calibration reliability for life. The installed electronics (OMRON) are industrial and each of its devices are extraordinarily strong. All designed for intensive use.



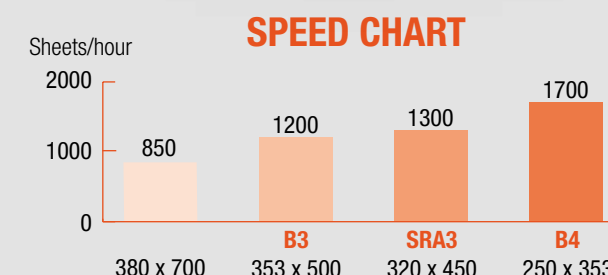
### EASY TO USE

Touch control screen, quick start button; automatic sheet registration, security supervision multisystem, temperature predictive program, pressure that selfadjust automatically and decurling anti scratch rolling bar. All of this so that you can get a hold of it without realizing it.



### DIGITAL ADAPTATION

**FOILER<sub>3D</sub>** does much more than just metallic and holographic effects on 3D surfaces. It is possible to foil over toner digital ink; use it as a varnish coater or as a spot varnish coater. And of course, also as a laminator...



Speed

**1.300**  
SRA3/hr

Speed

**10**  
m/min

Load

**200**  
mm

**130 - 350**  
g/m<sup>2</sup>

Max. Format  
**380 x 700**  
mm

Min. Format  
**210 x 297**  
mm



**Touch screen**



101 N/mm Linear



Heating roller



Extra blower on exit



Auto mode

## FOILER<sub>3D</sub> Workflow



**1.** Easy manual loading paper with a capacity of 200mm.

**2.** Auto start mode: Paper stock is conveyed from feed table using two suction units.



**3.** Accurate sheet overlap control using frontal stops register system.



**4.** Permanent foil adhesion is enabled by the oil heated roller and pneumatic pressure control. Decurling device can be adjusted 'on the run'.



**5.** The possibility of foiling are endless: metallized gold, silver, red, blue, copper and holographic, milky way, sparkler, crystal, etc.



Feeding module



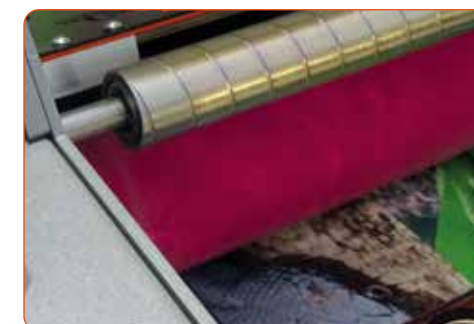
Frontal gates register



Delivery table with air fans



Table jogger



Foiling 3D module



Foil cooling air fans and decurler