



**MD800**  
**TAILOR**  
INDUSTRIAL  
PRINTING







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# MORE BUSINESS

1 Graphics and Fine Art / 2 Metal packaging / 3 Giveaways / 4 Glass decoration / 5 High-thickness promotional items and boxes up to 200 mm / 6 Soft Signage / 7 Exhibitions / 8 Wood flooring/decoration / 9 Plastic POS materials



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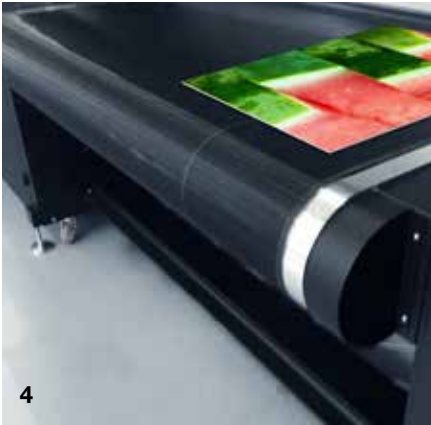
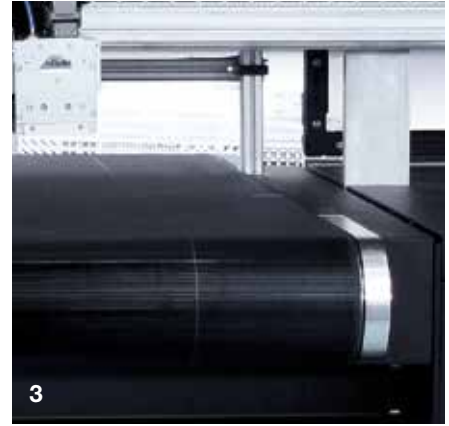
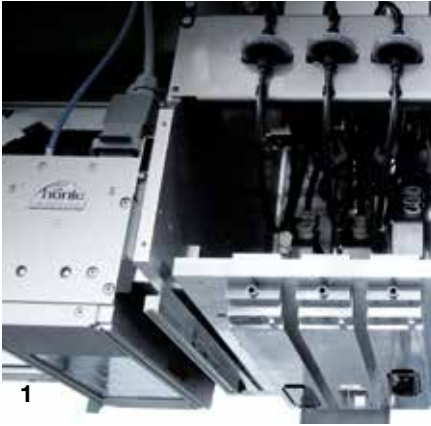


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1 Dynamic Printheads Plate with industrial inkjet printheads / 2 Heavy-duty printing shuttle / 3 High-precision conveyor belt moved by magnetic linear motors / 4 High-power 3-zones vacuum system for perfect stability of the printed sheets / 5 High-quality mechanical and electrical components / 6 Powerful printing workflow with remote control and tablet interface

### **A compact body combined with the highest productivity and modularity**

The MD800 Series is a uniquely designed high-quality range of industrial inkjet printers, designed to fit the most specialized graphic and specialty printing applications. What makes the MD800 (Tailor Printer) unique is its capability to get adapted to each customer's requirements in terms of media-loading, printheads and lamps configuration, as well as a dedicated ink-chemistry chosen from the extended INX range.

ADAPTABLE  
FLEXIBLE  
PROFITABLE  
EASY-TO-USE  
VERSATILE

### **Conveyor belt for non-stop printing and automated board feeder/stacker for unattended production**

MD800 printers available in the 1,6 and 2,0 meters widths. They are provided with a conveyor belt moved by high-precision magnetic linear motors. A robust handling table with 3 separate vacuum zones is hidden under the conveyor belt and guarantees a powerful suction of the most popular sheet-fed materials, including papers, acrylic sheets and metal sheets. All the conveyor belt [MD800] configurations can be easily connected with the optional board-feeder and stacker units for maximum throughput and unattended production. MD800 160 and 200 can also be equipped with unwinding/rewinding units for the occasional production of flexible substrates.



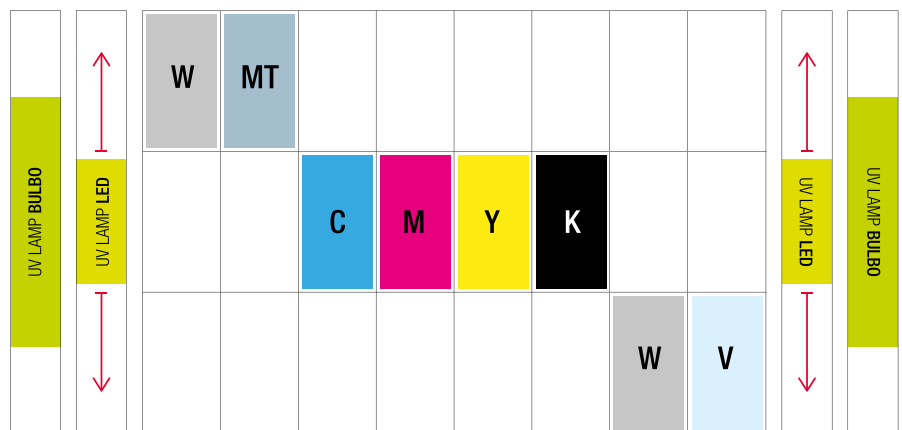
# À LA CARTE!

The exclusive **Dynamic Printheads Plate (DPP)** technology guarantee that the image is produced quickly and precisely, while UV lamps provide perfect curing on both colours and varnish. Gloss and matt effects are provided by the sliding LED lamps. Metallic UV inks are also available for special effects. The multi-position oversized DPP shuttle each customer to get his own configuration for optimized results with white, colours and varnish, that are all printed at full productivity, without any loss of speed. According to each specific customer's requirement, the TP Series can be equipped with different industrial printheads and inks.

**A range of highly-specialized UV-curable ink chemistries** are available and recommended for direct printing on metal, plastics, glass, wood

and other critical substrates. **Solvent-based inks** are also available for plastics and flexible substrates, while **Textile inks** can be used for natural and synthetic fabrics.

**The revolutionary high-performance Aqueous inks** are recommended for paper, packaging and many other applications that are now realized using analog printing technologies.



Example of a typical DPP configuration

# MD800 SERIES SPECIFICATIONS



## PRINTHEAD TECHNOLOGY

Dynamic Printheads Plate for Xaar 1002 and Kyocera KJ4 high-performance industrial inkjet printheads with variable droplet size

## COLOR CONFIGURATION

CMYK, CMYK+W+V, CMYKLcLm+W, 2xCMYK for double speed, more configurations available also using metallic inks

## RESOLUTION

Up to 2880 x 1440 dpi

## PRINT SPEED

MD800 160 up to 100 sqm/h  
MD800 200 up to 180 sqm/h

## MEDIA HANDLING

Conveyor belt with 3 separate vacuum zones. Automated board feeder and board stacker available as optional.

## MEDIA THICKNESS

Up to 200 mm

## INKS CURING

2 sliding low-heat UV LED lamps for varnish curing with gloss and matt effect  
2 UV bulb or 2 low-heat UV LED lamps for colours curing

## INKS & CONSUMABLES

UV-Curable Industrial Inkjet Inks and Clear Varnish

## PRINTING SIZE AND WIDTH

MD800 160 1650 mm printing width  
MD800 200 2050 mm printing width

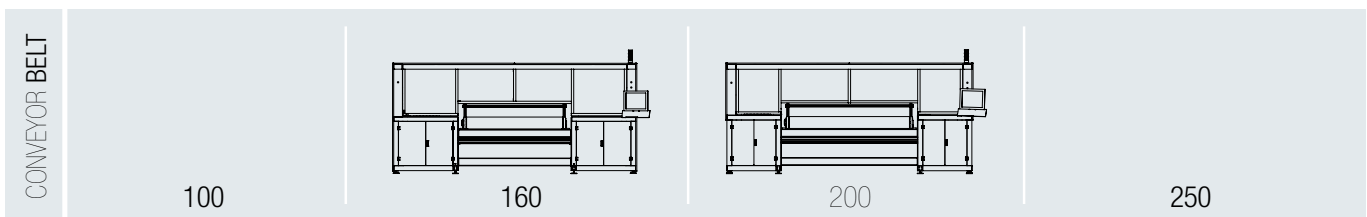
## MEDIA SOFTWARE

Onyx Thrive printing workflow

## OPERATING CONDITIONS

From 20°C to 28°C  
30% to 65% Humidity without condensation  
Ideal umidity 40% with max temperature of 28°C

## PRINTING WIDTH



Design and specifications are subject to change without notice. Ask INX Digital for the current technical specifications before purchase.







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