



KONICA MINOLTA



JETVARNISH 3D One

**YOU WANT  
TO ADD VALUE  
TO YOUR  
PRINT JOBS**

**RETHINK  
INDUSTRIAL  
PRINTING**



Digital spot UV coating on different  
page sizes up to 364 x 760 mm

Giving Shape to Ideas

# YOUR ADVANTAGES WITH THE MGI JETVARNISH 3D One

## RETHINK INDUSTRIAL PRINTING

Don't limit yourself to beautifully printed jobs any longer its time to offer your customers more value and creativity ! The JETVARNISH 3D One turns printed jobs into spectacular and irresistible print products that will immediately catch the attention of your customers. With the JETVARNISH 3D One, you will find it easy to spot coat digital prints, highlight defined areas, or add 3D effects all of which enables you to offer attractive print products that are more vivid and tactile.

### ECO-FRIENDLY IN-LINE LED DRYER

- On-the-fly drying & curing with integrated LEDs
- No additional drying time required
- Ozone-free and without heat thanks to LED technology
- Low power consumption

### DIGITAL ADVANTAGES

- Ideal for lucrative short and medium print runs
- Fast make-ready
- No plates or screens needed
- All that's required is a digital mask
- Wide range of substrates possible

### VARNISH DIGITAL AND OFFSET PRINTS

- Varnishing on toner without lamination
- Varnishing on offset prints
- Accurate sheet-to-sheet registration with the AIS SmartSanner technology
- Quick and easy setup supports digital printing business model



## KONICA MINOLTA PRINT HEADS

Exclusive MGIs inkjet technology  
With genuine Konica Minolta piezoelectronic printheads  
Produce any line thickness from 0.5 mm to as wide as the sheet

## SOFTWARE SUITE INCLUDED

On-the-fly job manager  
Reprint function  
Image editor  
Catalogue of different patterns  
Cost calculation and export of data  
For intuitive operation  
Saves time and money

## VARIABLE DATA OPTION

Barcode reader option available  
For Variable Data Printing

## AIS SCANNER

Full page scanner  
For on the fly coating registration from sheet to sheet  
For on-the-fly paper skew, shift, contraction and stretch adjustment

## HIGH PRODUCTIVITY WITH SINGLE PASS PRINTING

Up to 2,077 A3 sheets/hour with varnish thickness of 21  $\mu\text{m}$  (2D/flat mode)  
1,260 A3 sheets/hour with varnish thickness of 51  $\mu\text{m}$  (3D mode)  
Up to 547 A3 sheets/hour with varnish thickness of 116  $\mu\text{m}$  (3D mode)

## VARIABLE VARNISH THICKNESS

Can be adapted to individual customer needs  
Maximum 3D effect: up to 116  $\mu\text{m}$   
Minimum thickness (on laminated surfaces): from 21  $\mu\text{m}$

## ENVIRONMENTALLY FRIENDLY

Ink is in a closed/circuit system  
No ink and varnish residues  
No cleaning in-between jobs  
No material waste between jobs  
Reduced paper, varnish and electrical consumption





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# TECHNICAL SPECIFICATIONS

## RETHINK INDUSTRIAL PRINTING

### PRODUCT SPECIFICATIONS – JETVARNISH 3D ONE

<b>Printing technology</b>	MGIs exclusive inkjet engine technology; Drop-on-Demand (DoD) technology; Piezoelectric printheads, developed and manufactured by Konica Minolta; Single pass printing; Flexible & scalable printing architecture
<b>Coating thicknesses</b>	Depending on your file, the inks used and the type of surface of your sheet, the coating thickness can vary. On laminated and aqueous coating: 21 µm 116 µm for 3D raised effects and tactile finish. On toner and coated paper: 30 µm 116 µm for 3D raised effects and a tactile finish
<b>Production speed</b>	In 2D/flat mode: Up to 2,077 A3 sheets per hour (with 21 µm) In 3D/raised mode: Up to 1,260 A3 sheets per hour (with 51 µm) Up to 547 A3 sheets per hour (with 116 micron)
<b>Registration</b>	SmartScanner coupled with Artificial Intelligence (AIS) for fully real-time automated sheet-to-sheet registration process. No crop marks required.
<b>Formats</b>	Min. 21 x 29.7 cm Max. 36.4 x 76.0 cm Max. Printable Width 35.3 cm
<b>Substrate thickness</b>	Min: 135 g/m <sup>2</sup> and not less than 150 µm or 6 mil before printing & lamination; Max: 450 g/m <sup>2</sup> and not more than 450 µm or 18 mil before printing & lamination; Motorized height-adjustment print heads
<b>Substrates*</b>	Printing on most matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastic, PVC and other coated materials.
<b>Varnish on toner</b>	Spot 3D One coat directly onto most digital prints with no lamination or coating required.
<b>UV coatings and capacity</b>	varnish delivered with a 10-litre tank capacity
<b>High capacity</b>	Feeder able to handle a paper pile up to 30 cm;
<b>Automatic feeder</b>	2,500 sheets at 135 g/m <sup>2</sup>
<b>Paper Tray</b>	Tray able to handle a paper pile up to 15 cm or approximately 1,250 sheets at 135 g/m <sup>2</sup> All paper formats from A4 up to 36.4 x 75 cm
<b>Paper path</b>	100 % flat paper path; Vacuum feed system; Air feed system; Automatic double sheet detection; In-line LED dryer; On-the-fly drying & curing via integrated LED

<b>Maintenance &amp; remote technical support</b>	Daily maintenance completed in less than 10 minutes; Majority of procedures are automated; Automatic cleaning system; From cold start to production in less than 10 minutes; Remote troubleshooting & support via included video/web camera (high speed internet connection required)
<b>Operator panel</b>	Integrated user-friendly LCD touch-screen
<b>Options</b>	Variable data option: Complete system including RIP, barcode reader and MGI software to automatize the association between a pre-printed barcode and its specific spot coating file
<b>Dimensions (L x W x H)</b>	4.02** x 1,41 x 1,80; 1 metre clearance required on all 4 sides
<b>Weight</b>	± 1,200 kg
<b>Electrical requirements</b>	V: 220-240V 50-60Hz; A: 20; plug: 2 plugs CEE 17 IP44 32A (32A 250V, 1P+N+PE); RCD 30mA; C curve 32A breaker
<b>Operating</b>	Temperature: 18 to 30°C Environment Relative humidity: between 30 55% (no condensation)
<b>Respecting the environment</b>	Eliminates resource waste (wasted electricity, paper and varnish); No plates (offset) or screens (screen printing); No cleanup or preparation between jobs; Drastic reduction in amount of consumables and use of bulk packaging; Coating without volatile solvent.
<b>Options</b>	Automatic PDF File Converter; VDP barcode camera; AIS SmartScanner Lighting for metallized substrates

The default sheet format is A3, unless otherwise stated

1) with an additional option installed

2) speed will vary according to printing parameter used

3) confirm substrate/toner compatibility with KM

\* The used substrate needs to be either coated or laminated.

Otherwise the media is absorbing the varnish and the desired effect might get lost.

\*\* No paper extensions available.

All specifications refer to A4-size paper of 135 gsm quality. The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations. The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity. Some of the product illustrations contain optional accessories. Specifications and accessories are based on the information available at the time of printing and are subject to change without notice. Konica Minolta does not warrant that any prices or specifications mentioned will be error-free. All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.

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