YOUR ADVANTAGES WITH
JETVARNISH 3DS

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
- Time and money saving

AIS DETECTS ALL PRINTING DEFECTS

- Artificial Intelligent Scanner (AIS): a scanner reads the entire width of each printed page which is analyzed and compared to the original print file and then generates on the fly a new print file
- Capability to detect on the fly every global and/or local printing defects without using any marks!

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

KONICA MINOLTA PRINT HEADS

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

HIGH-PILE OUTPUT STACKER

- Automatic stacking of prints to a maximum height of 30 cm
- Minimum stacking format A4 (21 x 29.7cm)
- Maximum stacking format (36.4 x 102 cm)

VARIABLE DATA OPTION

- Barcode reader option available
- For Variable Data Printing
- For spot UV coating without manual intervention

HOT FOIL STAMPING & EMBOSSING OPTIONS

- 3D stamping
- Fine patterns
- Short run
- Variable data

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 5th colour mask
- Wide range of substrates possible

MEDIA PROCESSING

- Wide range of paper weights of up to 450 gsm
- Printing on most matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastic, PVC and other closed surface materials.
- Spot 3D coating directly onto most digital prints with no lamination or coating required.

VARNISH DIGITAL AND OFFSET PRINTS

- Varnishing on toner without lamination
- Varnishing on offset prints with or without acrylic lamination
- Accurate sheet-to-sheet registration with AIS SmartScanner system registration feature
- Quick and easy setup supports digital printing business model

VARIABLE VARNISH THICKNESS

- Can be adapted to individual customer needs
- Maximum 3D effect: 116 µm
- Minimum thickness (on laminated surfaces): 21 µm
- Minimum thickness (directly on toner): 36 µm

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

HIGH PRODUCTIVITY WITH SINGLE PASS PRTINTING

- Up to 2,077 A3 sheets/hour with varnish thickness of 21 µm (2D/flat mode)
- 1,662 A3 sheets/hour with varnish thickness of 36 µm (3D mode)
- 976 A3 sheets/hour with varnish thickness of 65 µm (3D mode)
- Up to 547 A3 sheets/hour with varnish thickness of 116 µm (3D mode)

* for standard varnish coverage <50%

Lepidoptery

MGi
Digital Graphic Technology

KONICA MINOLTA

JETVARNISH 3DS

JETVARNISH 3DS SPECIFICATIONS (**MACHINE PRODUCED FROM DECEMBER 2017)

Printing technology	MGI's exclusive inkjet engine technology Drop-on-Demand (DoD) technology Piezoelectric print heads Single pass printing Flexible & scalable printing architecture
Coating thicknesses	Depending on your file, the printed material, the CYMK printing technology and/or finishing technology used, the coating thickness can vary from 21 µm up to 116 µm for 3D raised effects and a tactile finish (and 42µm to 232µm when the twin bar option is installed) - *** new data as of June 2017* 30-35 µm required on toner in order to have optimum printing quality
Production speed	Up to 2,077 A3 per hour at 21** µm Up to 1,468 A3 per hour at 43** µm Up to 547 A3 per hour at 116** µm **new data as of September 2017 ** for standard varnish coverage <50% NOTA: Printing speeds are given to indicative information and may vary according to printing substrate, number of drops set on the data file and under full operator responsibility
Registration	Fully motorized and automatic left side lay guide. New feature of automated registration using MGI AIS SmartScanner system. Overall registration of ± 200 µm
Formats	Min: 21.0 x 29.7 cm / 8 x 11.8" (in portrait mode i.e. long side first) Max: 36.4 x 102.0 cm / 14.33 x 40.15"
Max. print width	35.3 cm or 353 mm - *new data as of September 2016*
Substrate thickness	Min: 135 gsm and not less than 150 µm/6 mil before printing & lamination Max: 450 gsm and not more than 450 µm/18 mil before printing & lamination Motorized height-adjustment print heads
Substrates	Printing on most matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastic, PVC and other coated materials Printing directly on most digital prints with no lamination or coating required
UV coatings and capacity	10 liters/2.6 US gal. tank capacity
High capacity Automatic feeder	Feeder able to handle a paper pile up to 30 cm / 11.86" high Approximately 2,500 sheets at 135 gsm
High pile output stacker	Stacker able to handle a paper pile up to 30 cm / 11.86" high Approximately 2,500 sheets at 135 gsm
Paper path	100 % flat paper path Vacuum feed system Air feed system Automatic double sheet detection
In-line UV dryer	"On-the-fly" drying & curing via integrated LED Spot Coated sheets can be immediately finished or handled, no additional drying time required
Front end system	Dedicated PC; CPU + touch-screen + keyboard/mouse Ethernet connection 10/100/1000 BT (RJ 45)

The default sheet format is A3, unless otherwise stated
1) with an additional option installed
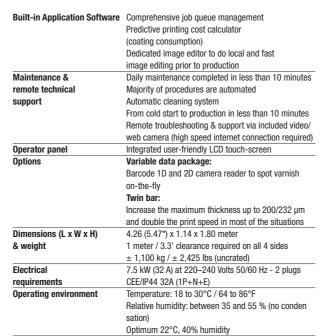2) speed will vary according to printing parameter used
3) confirm substrate/toner compability with KM

– 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.

Built-in Application Software	Comprehensive job queue management Predictive printing cost calculator (coating consumption) Dedicated image editor to do local and fast image editing prior to production
Maintenance & remote technical support	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)
Operator panel	Integrated user-friendly LCD touch-screen
Options	**Variable data package:** Barcode 1D and 2D camera reader to spot varnish on-the-fly **Twin bar:** Increase the maximum thickness up to 200/232 µm and double the print speed in most of the situations
Dimensions (L x W x H) & weight	4.26 (5.47*) x 1.14 x 1.80 meter 1 meter / 3.3' clearance required on all 4 sides ± 1,100 kg / ± 2,425 lbs (uncrated)
Electrical requirements	7.5 kW (32 A) at 220–240 Volts 50/60 Hz - 2 plugs CEE/IP44 32A (1P+N+E)
Operating environment	Temperature: 18 to 30°C / 64 to 86°F Relative humidity: between 35 and 55 % (no condensation) Optimum 22°C, 40% humidity

*with the longest paper extensions installed

FOIL S SPECIFICATIONS

Film	Hot foil
Grammage & thickness of substrates	Min: 135gsm and 150 µm or more Max: 450gsm and 450 µm or less
Production speed	Up to 2,298 sheets/hour (A3 size)
Roll	1" diameter core (option: 3") Max. width: 360 mm Min. width: 100mm 2 rolls attachable
Formats	Min: 210 x 297 mm Max: 364 x 1020 mm
Supported media	Matte laminated/gloss laminated, aqueous coated substrates, synthetic paper, plastic, PVC, coated paper, etc. On demand printed sheets (bizhub PRESS C1100/C1070/C7000), etc.

MKT-1803-617

✏ Digital spot UV coating on different paper sizes from A4 to 36,4 x 102 cm

✏ Up to 2,077 A3 pages per hour

✏ Variable Data Foil (VDF)

✏ Hot foil stamping

Giving Shape to Ideas