

POWERFUL SOFTWARE AND INTUITIVE TOUCHSCREEN CONTROL

JetVarnish 3D Evolution software suite is greatly simplified for operating user to manage all production workflow and maintenance with the touchscreen interface. The functions include:



- **JOB COST CALCULATOR** - Gives you control over your profitability with the exclusive and powerful Job Cost Calculator. Forecasts varnish consumption costs, and automatically calculates precise production costs in advance of actual production. It's a valuable tool for managing supply costs and making accurate job estimates.
- **SPOT VARNISH EDITOR** – Graphical tool which is easy-to-use for editing without going back to the workstation and ideal for rapid prototyping. It allows production operator to quickly modify enhancements without going back to prepress. Suitable for high production work environments.
- **JOB MANAGER** – Simple touch screen control lets you monitor jobs, manage the queue, create job tickets, launch reprints, recall previous print jobs and adjust the ARC system.

THE TECHNOLOGICAL REVOLUTION

Artificial Intelligence Smart Scanner (AIS) is a high precision automatic registration system unique to MGI. The scanner reads the preprinted sheets and automatically controls registration correction and adjustment, ensuring precise registration for every sheet. Faster job completion, less wastage and greater productivity!

- High precision for every print job
- Reduce more than 80% of operating setup time
- Quick and seamless integration within job workflows
- Fully capable with Variable Data Finishing (VDF) jobs
- Quick turnaround time and faster make-ready
- Adjusting to print defects on-the-fly



The Corona Surface Treatment System (CSTS) is an in-line module on all variants of the JetVarnish 3D Evolution. It's a well-proven and simple way to:

- Optimize varnish adhesion on complex printed substrates
- Modify the surface tension
- Improve the printability, for a wider variety of materials
- Save time and reduce cost on lamination process



FOR THE EARTH. FOR THE FUTURE.

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About Konica Minolta Business Solutions Asia

Konica Minolta Business Solutions Asia is transforming the workplace of the future with its customer-centric solutions and hardware for the digitally connected world. We are committed to create new values for the society with our expertise. From information management to technology enabling tools, the solutions help businesses improve time to information, support mobility, and optimise business processes with workflow automation. Konica Minolta, Inc. has also been named to the Dow Jones Sustainability World Index for five years in a row. For more information, please visit <http://www.konicaminolta.sg/business/>.

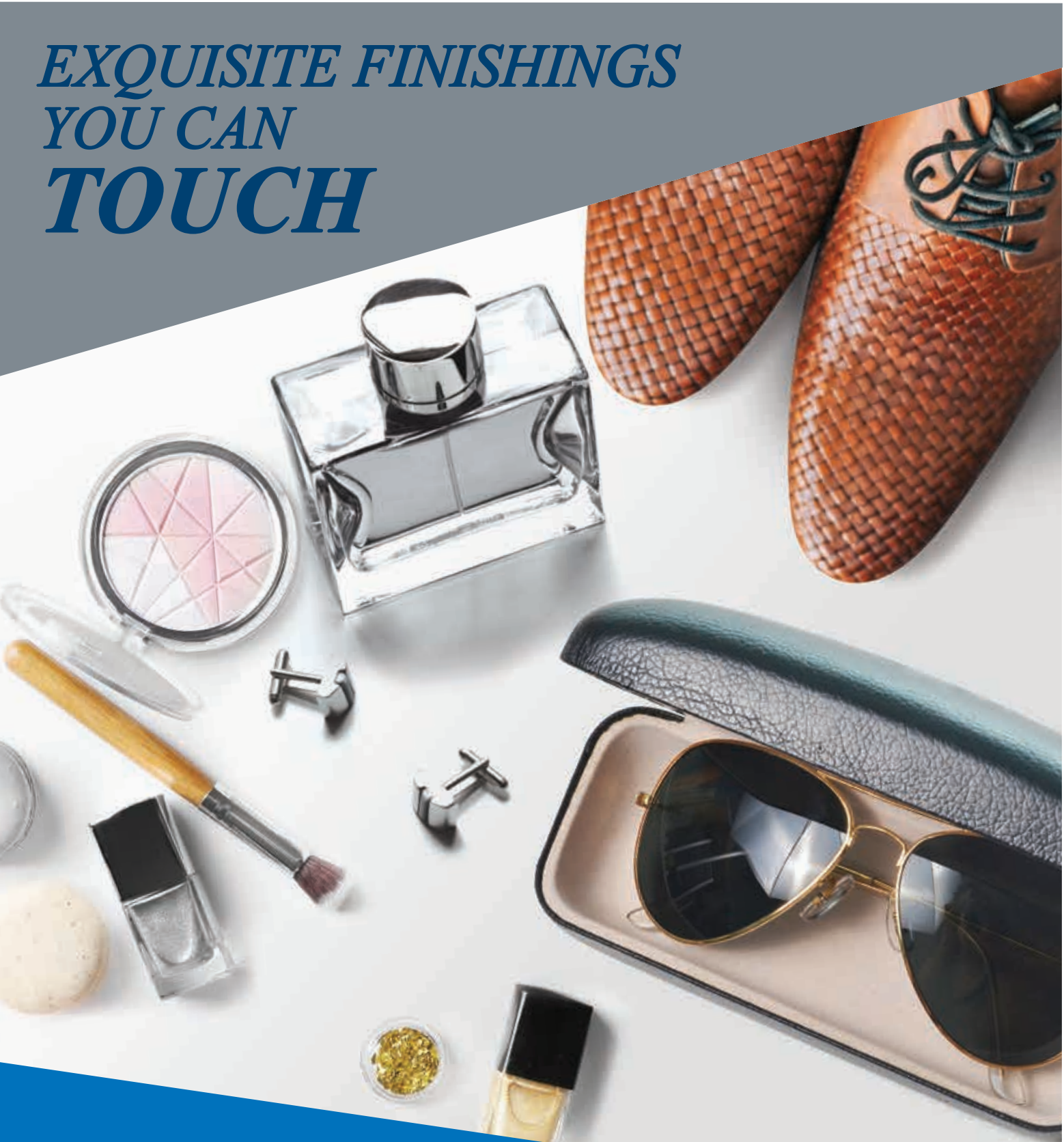
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KONICA MINOLTA TECNOLOGY & MGI JETVARNISH



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EXQUISITE FINISHINGS YOU CAN TOUCH



MGI JETVARNISH 3D EVOLUTION

Giving Shape to Ideas

NEW VISUAL & SENSORY EFFECTS TO CREATE EXCLUSIVE FINISHINGS

Discover the new JETVARNISH series, **JETVARNISH 3D EVOLUTION** - an ideal solution for digital and traditional print providers looking to expand and upgrade their services with larger formats and quicker prototyping; highly customizable and capable of using variable data for personalization on every piece produced. Make your prints more profitable with value-added services that will stand out and differentiate you from the competition.

HIGHLIGHTS:

- Large format prints & dynamic performance with its 8-up format – up to 75 x 120cm
- High volume productivity with up to 4,200 B2 sheet size per hour for EVO 75 version
- Create 3D Varnish image – work from 7 microns up to 232 microns in a single pass on top of CMYK print
- Innovative software suite developed by MGI that includes Job Cost Calculator, Job Manager and Varnish Editor
- iFOIL-L Inline module allows the application of real foil without screens, plates, and dies
- Variable Data Enhancement (VDE) kit provides “on-the-fly” variable data for text, graphics and images





IFOIL-L

VALUE AND CREATIVITY WITH OUTSTANDING PRINT QUALITY

The award-winning **iFoil-L Hot Foiling System** is an in-line option for all the JetVarnish 3D Evolution models. It produces digital and variable embellishments such as fine lines and detailed texture effects. This allows quick and easy production of foil stamping and embossing jobs with high profitability, flexibility, and ease of use.



Create exquisite print applications to achieve spectacular and distinctive effects within a 100% digital process:

- Variable Data Foiling (VDF) with digital embossing
- Digital Hot Foil Stamping supports multiple-colored foils applied in one pass (up to 5 colours)
- Foil on foil and Spot UV on foil to create dramatic effects

MAKE AN IMPACT WITH LARGER FORMATS



JetVarnish 3D Evolution delivers dynamic performance for the most demanding applications which are commonly found in packaging printing. It provides quick turnarounds and short-runs, produce customized and high-value printing applications that are widely used in today's commercial printing environment.

- Larger formats, three different widths:
 - 52 x 120cm (20" x 47")
 - 64 x 120cm (25" x 47")
 - 75 x 120cm (29" x 47")
- Special visual and tactile effects
- High quality and support for specialty substrates
- Packaging printing: wine, shoes, fashion accessories, cosmetics and more
- Commercial printing: general print collaterals, wall calendars, invitation cards and more
- Publishing: photo book, magazines, book covers, and more

YOUR ADVANTAGES WITH THE JETVARNISH 3D EVO & IFOIL-L

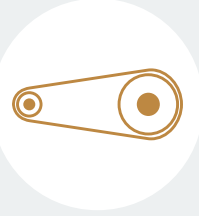
CORONA SURFACE TREATMENT SYSTEM

- Optimize varnish adhesion on complex printed substrates
- Modify the surface tension
- Improve the printability, for a wider variety of materials
- Save time and reduce cost on lamination process



EXPANDABLE SYSTEM FORMAT

- Available in 3 different widths:
 - 52 x 120 cm
 - 64 x 120 cm
 - 75 x 120 cm
- Upgradeable with EVO Extension kits:
 - 64 x 120 cm
 - 75 x 120 cm



INNOVATIVE SOFTWARE SUITE

- Job Cost calculator for varnish consumption
- Workstation image editor to edit graphic files
- Job Manager to manage print jobs
- Save time and improve efficiency



REVOLUTIONARY AIS SMART SCANNER

- High precision for every print job
- Reduce more than 80% of setup time
- Fully capable with Variable Data Finishing (VDF) jobs
- Minimizes wastage costs
- Adjust to print defects "on-the-fly"



NEW SHEET FEEDER

- High capacity feeder for paper stack up to 60 cm height for 75 x 120 cm sheets
- Approx. 4,000 sheets at 135 gsm
- Optional Pallet Feeder (shown in picture)



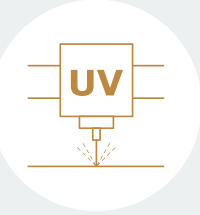
VARNISH AND HOT FOILING

- Digital Spot UV coating embellishment
- Variable Data Foiling (VDF) emboss up to 232 microns thickness
- Foil on foil and Spot UV on foil to create dramatic effects
- No cleaning in-between jobs
- No plates, screens, and dies



ENVIRONMENTALLY FRIENDLY

- Enhanced UV protection with lower energy consumption
- Reduced paper, varnish, and electrical consumption
- No cleaning in-between jobs
- Less material waste
- No plates, screens, and dies



NEW PALLET STACKER

- Easy pallet unloading
 - Simple production workflow
 - Support sheets up to size 75 x 120 cm
- (Note: Pallet stacker is option for Evo 52cm)



SYSTEM SPECIFICATIONS

JETVARNISH 3D EVOLUTION

Printing technology	Exclusive MGI inkjet engine technology Drop-on-Demand (DoD) inkjet application Piezoelectric print heads in single pass printing	In-line UV dryer	"On-the-fly" drying & curing via integrated UV lamps
Coating thickness	Depending on the print file and substrate used, the coating thickness can vary from a traditional flat spot UV coating of 7 µm up to 232 µm for 3D raised texture effects and a tactile finish.	Maintenance & remote technical support	Automated inkjet head cleaning and wiping Daily maintenance completed in less than 10 mins Mainly automated procedures from cold start to production in less than 15 mins Remote troubleshooting & support via included web video camera (high-speed internet connection required)
Production speed	Up to 3,123 ISO B2 sheets per hour in all versions The version Evo 75 can reach up to 4,200 ISO B2 sheets per hour (in landscape) and up to 2,291 ISO B1 sheets per hour	Operator panel	Integrated user-friendly LCD touchscreen
Registration	Smart Scanner coupled with Artificial Intelligence (AIS) for a real-time fully automated sheet-to-sheet registration	Options	Options 64 cm Evo Kit for Upgrade Enhancement Option or later update for printing of up to 64 x 120 cm sheet size 75 cm Evo Kit for Upgrade Enhancement Option or later update for printing of up to 75 x 120 cm sheet size VDP Kit Optical "on-the-fly" variable data system uses camera and preprinted barcodes. Variable data for text, graphic and image on both 2D/3D spot coating and hot foiling area
Formats	Min: 42 x 29.7 cm Max: 52 x 120 cm Options: 64 x 120 cm or 75 x 120 cm		
Printable areas	Max: 51 cm Options: 63 cm or 74 cm		
Substrate thickness	Min: 135 gsm and not less than 150 µm before printing & lamination Max: 800 gsm and not more than 800 µm before printing & lamination		
Substrates	Enhancement on most matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastic, PVC and other coated materials. The used substrate needs to be either coated or laminated. Otherwise the media will absorb the varnish and the desired effect might be lost		
Varnish on toner	Spot 3D coat directly onto most digital prints		
UV coatings and capacity	1 coating tank for both 2D & 3D applications One high capacity tank of 18 litres "On-the-fly" tank changeover possible during production without any interruption and no waste		
Automatic feeder	High capacity feeder for paper stacks of up to 60 cm height for 75 x 120 cm sheets Approximately 4,000 sheets at 135 gsm		
Pallet stacker	Supports sheets of up to 75 x 120 cm size on pallet packaging		
Paper path	100% flat paper path Vacuum feed system Air feed system Automatic double sheet detection		
Front end system	Intuitive touchscreen software management suite controlled by a 27" monitor job cost calculator, image editor, queue manager and reprint, camera and print head settings and reprint, dedicated controller for equipment settings and technical data Ethernet connection 10/100/1000 BT in RJ 45		
		Production speed	Up to 2,400 B2+ sheets per hour (or up to 25 m per minute)
		Formats	75 x 120 cm
		Hot foil stamping area	Max: 74 x 119 cm
		Substrate thickness	Min: 150 µm Max: 800 µm
		Foil rolls	Max. roll diameter and length: approx. 30 cm and from 400 to 2,000 meters of film Up to 5 simultaneous film rolls on the same axis (with a minimum of 10 cm per roll) 2 cores available: 1-inch as standard and 3-inch as option
		Dry air	Requires air without oil at 6 bar (87 psi) & 24 m3/h (14 cfm)
		Dimensions (L x W x H)	Up to 12.42 x 1.93 x 1.85 meter (Evo 75 full options)
		Weight	Approx. 3,334 kg
		Electrical requirements	40 kW (63 A) at 400 Volts - 50/60 Hz + 20 kW (32 A) at 400 Volts - 50/60 Hz
		Temperature	18 to 30°C
		Relative humidity	between 30 and 50% (no condensation)