

TECHNICAL SPECIFICATIONS

RETHINK INNOVATION

SYSTEM SPECIFICATIONS

Printing technology	<ul style="list-style-type: none"> • Exclusive inkjet engine technology. • Drop-on-Demand (DoD) inkjet application. • Piezoelectric printheads in single pass printing. • Flexible and scalable architecture.
Variable coating thicknesses	Depending on your file and the substrate used, the coating thickness can vary from a traditional flat spot UV coating of 7 microns (μm) up to 232 μm for 3D raised texture effects and a tactile finish.
Production speed ⁽¹⁾	Up to 3,123 B2 sheets size per hour for all versions. The EVO 75 can reach up to 4,200 ISO B2 sheets per hour (landscape) and up to 2,291 ISO B1 sheets per hour.
Registration	Left and right motorized registration side guides. Automatic registration using the built-in AIS SmartScanner technology for real-time management of entire sheet. No registration marks required.
Managed paper formats	Min: 32 x 45 cm / 12.6x17.7" (SRA3 in landscape and portrait) Max: 75 x 120 cm/29 x 47"
Printable width areas	Up to 73 cm/28.7" (standard Evo 75 configuration)
Substrate thickness	Motorized inkjet head height-adjustment. Min: 135 gsm and not less than 150 μm /6 mil before printing and lamination. Max: 600 gsm and not more than 600 μm before printing and lamination.
Substrate compatibility ⁽²⁾	Enhancement on most matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastic, PVC and other coated materials. Spot 3D coat directly onto most digital prints.
UV Coatings and capacity	1 coating tank for both 2D and 3D applications. One high-capacity tank of 18 liters. "On-the-fly" tank changeover possible during production without any interruption or waste.
Automatic pallet feeder	High capacity feeder able to pile up paper up to 60 cm/23.6" high for 75 x 120 cm (29 x 47") sheets. Approximately 4,000 sheets at 135 gsm.
Pallet stacker	Support sheets up to size 75 x 120cm (29 x 47") on pallet packaging.
Paper path	<ul style="list-style-type: none"> • 100% flat paper path. • Vacuum feed system. • Air feed system. • Automatic double sheet detection.
In-line UV dryer	"On-the-fly" drying and curing via integrated UV lamps.
Front end system	<ul style="list-style-type: none"> • Intuitive touchscreen software management suite controlled by a 27" monitor. • Includes functions for operators: <ul style="list-style-type: none"> – Job cost calculator, image editor, queue manager and reprint, camera and print-heads settings. • Dedicated controller for equipment settings and technical data. • Ethernet connection 10/100/1000 BT in RJ 45.

iFOIL L

	Optional Digital Hot Foiling module application: standard sheet format 75 x 120 cm (29 x 47").
	<ul style="list-style-type: none"> • Production Speed: Up to 2,307⁽¹⁾ B2 sheets size per hour (or up to 25 m per minute – 65.6 ft per minute). • Films: Uses a variety⁽²⁾ of hot foils available on the market. Optimization system of film consumption. • Film Rolls: Max. roll diameter and length: \pm 30 cm/11.8" and from 400 to 2,000 meters of film (1,300 to 6,500 ft). Up to 3 simultaneous film rolls on the same axis (with a minimum of 10 cm/3.9" per roll). 2 cores available: 1 inch and 3 inch. • Maximum Surface: Hot foil substrate surface can not exceed 73 x 118 cm/28.7 x 46.5" • Embossing: 2D and 3D effects are possible at any time. The surface of the metallized film may be covered with a layer of varnish or another foil. • Dry Air: Requires air without oil at 6 bar (87 psi) and 24 m³/h (14 cfm) supply.
Other options	<ul style="list-style-type: none"> • Variable Data Enhancement (VDE). 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 areas. • Corona Surface Treatment System (CSTS)
Maintenance and remote technical support	<ul style="list-style-type: none"> • Automated inkjet head cleaning and wiping. • Daily maintenance completed in less than 10 min. • Majority of procedures are automated. • From cold start to production in less than 15 min. • Remote troubleshooting and support via included web video camera (high-speed internet connection required).
Dimensions and weight JETvarnish 3D Evo + iFOIL L	12.42 x 1.93 x 1.84 m/40.7 x 6.3 x 6.0 ft (L x W x H) Necessary clearance: 1 m (3.3 ft) on 3 sides and 2 m (6.6 ft) on the stacker side. \pm 5,000 kg/11,023 lbs
Electrical requirements	JETvarnish 3D Evo + iFOIL L 40 kW (63 A) at 400 V – 50/60 Hz 20 kW (32 A) at 400 V – 50/60 Hz
Operating environment	Temperature: 18 to 30 °C/64 to 86 °F. Relative humidity between 30 and 50% (no condensation)

The default sheet size is B2 (51 x 71 cm/20 x 28") unless otherwise stated.

(1) Speed will vary according to printing parameter used.

(2) Confirm substrate/toner/metallic film compatibility with Konica Minolta.

For complete information on Konica Minolta products and solutions, please visit: [CountOnKonicaMinolta.com](https://www.CountOnKonicaMinolta.com)

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