

DM-MAXLINER 3D

Specifications

Substrate

Sheet size (width × length)	DM-MAXLINER 3D B1 (106)	Max. 1,080 × 780 mm
		Min. 290 × 320 mm
	DM-MAXLINER 3D B2 (76)	Max. 760 × 760 mm
		Min. 290 × 310 mm
Sheet weight		100 – 600 g/m ²
Sheet thickness		0.08 – 0.8 mm
Sheet type		Paper, cardboard, plastic and laminated substrates
Pile height with EURO-pallet		1,080 (940 + 140) mm
Pile weight	DM-MAXLINER 3D B1 (106)	Max. 1,600 kg
	DM-MAXLINER 3D B2 (76)	Max. 1,000 kg

Performance digital UV spot varnishing only

Sheet performance B1 format	Max. 7,000 s/h
Sheet performance B2 format	Max. 8,500 s/h

Digital Inkjet Varnishing

Inkjet system	UV – DoD – Inkjet – Single Pass	
Print format (width × length)	DM-MAXLINER 3D B1 (106)	Max. 1,060 × 760 mm
	DM-MAXLINER 3D B2 (76)	Max. 750 × 750 mm
Native resolution	600 dpi	
Varnish lay down (with redundant inkjet system optional)	4 – 50 (4 – 100) g/m ²	
Register accuracy	± 0.2 mm	
Varnish type	Special UV inkjet varnish	
Print data	PDF (standard), BMP, TIFF, ...	

Machine dimensions

Dimensions (length × height × width)	DM-MAXLINER 3D B1 (106)	12 × 2.8 × 2.5 m
	DM-MAXLINER 3D B2 (76)	12 × 2.8 × 2.2 m

Basic system components

Sheet conveyor system, sheet cleaning unit (calender)

Sheet detection even without print marks, register control and adjustment for each sheet

Digital inkjet varnishing unit with automatic cleaning system

UV dryer, sample gate with inspection table

Operation via touch screen monitor, comprehensive image editor, remote service

Configurable features

+ DM-unit for digital metallization
+ Redundant inkjet system for higher performance
+ Integrated data RIP
+ Image Matching Control (IMC) system
+ Fully variable data for different embellishments on each sheet
+ Pinhole-killer for improved low grammage results
+ Pinning module
+ IR module for higher gloss
+ Corona
+ Ionized air on feeder and stacker
+ Inkjet heads for standard compliant braille print
+ Barcode printer for individual marking

Performance digital metallization and digital UV spot varnishing

Sheet performance B1 format	Max. 4,000 s/h
Sheet performance B2 format	Max. 5,100 s/h

Digital metallization parameters

Number of simultaneously mountable DM-webs	1 to 7	
Width of DM-webs	DM-MAXLINER 3D B1 (106)	50 – 1,060 mm
	DM-MAXLINER 3D B2 (76)	50 – 750 mm
DM-web length	3,000 m	
Core diameter	76.2 mm	
Transfer metallization	KURZ DIGITAL METAL® DT-S	
Glue type	Special UV inkjet glue	

Machine dimensions

Dimensions (length × height × width)	DM-MAXLINER 3D B1 (106)	1.5 × 2.8 × 2.5 m
	DM-MAXLINER 3D B2 (76)	1.5 × 2.8 × 2.2 m

Basic system components

Complete digital metallization system with indexing system and automatic web tension adjustment
Integrated electrical lifting device for quick, automated roll changing

Configurable features

+ Set of brakes for additional webs
+ Set for off-line foil roll preparation (shafts and brakes)

All technical data are approximate.