abg international

DIGILASE & DIGILASE DUO SPECIFICATION

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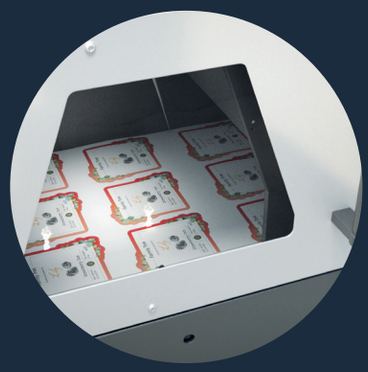
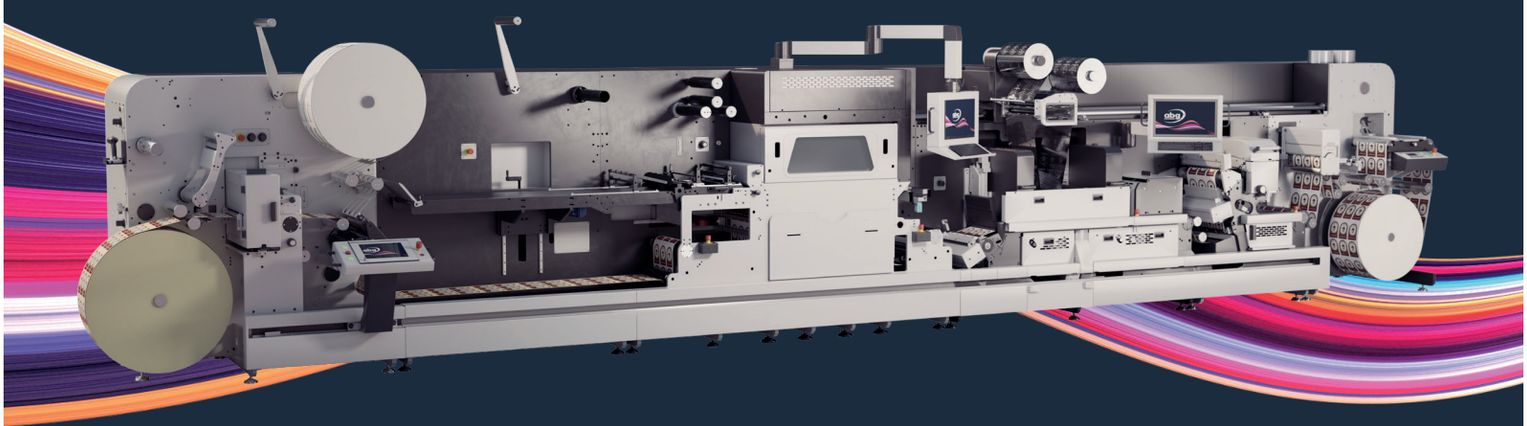
Technical Specification



DIGILASE
SPECIFICATION

Model	DigiLase		DigiLase Duo	
Product classification	Class 1 FDA 1720382-000		Class 1 FDA pending	
Cutting field of view	325mm x 325mm	13.8" x 13.8"	325mm x 325mm x2	13.8" x 13.8" x2
Laser heads	1 x 400w		2 x 400w	
Laser wavelength	10.2 ± 0.4 µm		2 x 10.2µm ± 0.4 µm	
Laser type	Water Cooled Sealed CO_2		Water Cooled Sealed CO_2	
Beam path	Fully sealed and purged		Fully sealed and purged	
Scan Head motion	X, Y & Z axis		X, Y & Z axis	
Scan Head Cooling	Air		Water	
Fume Extraction	Purex Filter 5000i		Purex Filter 5000i	
Minimum job length (roll to roll)	2000mm	78.75"	2000mm	78.75"
Minimum Job changeover length	500mm	19.69"	500mm	19.69"
Registration tolerance	±0.15 mm	±0.006"	±0.15 mm	±0.006"
Max unwind roll diameter (as standard)	800mm	31.5"	800mm	31.5"
Unwind mandrel diameter	76mm	3"	76mm	3"
Rewind roll diameter	600mm (upper shaft) 800mm (lower shaft)	23.62" (upper shaft) 31.5" (lower shaft)	600mm (upper shaft) 800mm (lower shaft)	23.62" (upper shaft) 31.5" (lower shaft)
Rewind mandrel diameter	76mm (other sizes available)	3" (other sizes available)	76mm (other sizes available)	3" (other sizes available)
Redundancy	None		Full redundancy	
Through cut bits maximum size	20mm x 20mm	0.78" x 0.78"	20 x 20mm	0.78" x 0.78"
Material width	350mm	13.78"	350mm	13.78"
Laser Compiler artwork types	PDF or SVG		PDF or SVG