



BRM Slim

Technical details

	Slim 600	Slim 900	Slim 1300	Slim 1600
Work area	600 × 400 × 180 mm	900 × 600 × 180 mm	1300 × 900 × 180 mm	1600 × 1000 × 180 mm
Laser source	75 - 90 W	100 - 130 W	100 - 130 W 130 - 160 W	100 - 130 W 130 - 160 W
Dimensions Width x depth x height	1600 × 960 × 1320 mm ¹	1750 × 1200 × 1320 mm ¹	2000 × 1500 × 1320 mm ¹	2200 × 1600 × 1320 mm ¹
Weight	200 kg	250 kg	350 kg	425 kg
Extraction system Minimum requirement (without pipes/hoses)	380 m³/h flow rate at negative pressure of 15 mbar	380 m³/h flow rate at negative pressure of 15 mbar	550 m³/h flow rate at negative pressure of 15 mbar	850 m³/h flow rate at negative pressure of 15 mbar
Recommended filter unit	BRM Extractor M	BRM Extractor M	BRM Extractor L	BRM Extractor XL

¹ Main cover closed

Features	
Max. work piece height	180 mm
Max. processing speed	800 mm/s X axis, 600 mm/s Y axis, 40 mm/s maximum recommended cutting speed*
Max. acceleration	15.000 mm/s² X-as, 2000 mm/s² Y-as
Motor type	Stepping motors
Encoder precision	12 bit
Positioning system	Belt drive
Optical elements	3 mirrors, 1 semi-permeable mirror and 1 focus lens
Lenses	38.1, 50.8, 63.5 or 101.6 mm
Accuracy	0.1 mm cutting, 420 dpi engraving*
Accuracy of part size*	Depending on the material and process
Connectivity options	USB cable, USB stick and network

Standard equipment	
Lens	50.8 mm
Extraction system	Non-filtering fume extractor
Water chiller	CW-5200
Mirror cooling	Passively cooled
Software	LightBurn including 2 years of updates for 3 workstations
Control options	Control panel, reset button, emergency switch, key switch, main switch
Working table	Honeycomb table, extremely suitable for engraving or cutting small products
Laser pointer	650 nm, <5 mW
Further standard equipment	135 W air pump Maintenance set Manual

Options	
Working table	Slat table, especially suitable for cutting
Rotation unit	Chuck or roller
Auto focus	Ultrasonic auto focus
Turn-off delay	Extraction automatically switches on and switches off delayed at each task
Air supply	Filter regulator with per layer software controlled valve
Acrylic cutting grid	Reflection-free cutting

Safety and environmental conditions	
Laser class	1
Conformities	CE, UKCA
Environmental conditions	Required ambient temperature 17 - 23°C, humidity 50 - 60%, non-condensing. Dust-free environment

Electricity	
Electricity requirement	2x 1 ~ 230 VAC, 50 Hz, max. 2,3 kW (10 A)

* The accuracy of all results depends on the material chosen and the combination of speed and power. We deliberately choose these achievable values that we stand behind 100% after extensive testing.

Subject to changes and printing errors.