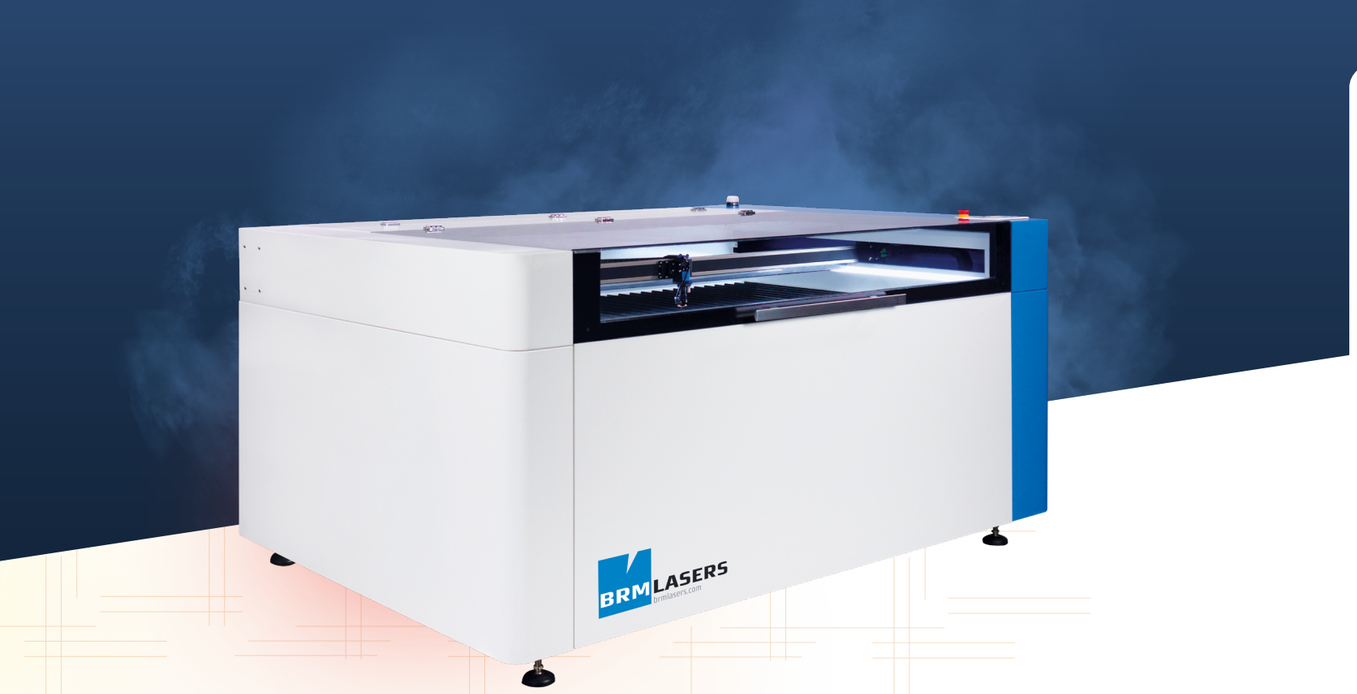


BRM Pro

Technical details

	Pro 600	Pro 900	Pro 1300	Pro 1600
Working range	600 × 400 × 240 mm	900 × 600 × 240 mm	1300 × 900 ×240 mm	1600 × 1000 × 240 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 × 1000 × 1200 mm [1]	1750 × 1200 × 1200 mm [1]	2000 × 1500 × 1200 mm [1]	2200 × 1600 × 1200 mm [1]
Weight	300 kg	375 kg	500 kg	575 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	240 mm
Max. processing speed	1500 mm/s X-as, 800 mm/s Y-as, 60 mm/s maximum recommended cutting speed*
Max. acceleration	20.000 mm/s² X-as, 4000 mm/s² Y-as
Motor type	Stepping motors with closed feedback loop
Encoder precison	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 and network

Standard equipment	
Lens	50.8 and 101.6 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, air pressure regulator, main switch
Working tables	Slat table & honeycomb table
Laser pointer	650 nm, <5 mW
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
Further standard equipment	135 W air pump Maintenance set Manual

Options	
Rotation unit	Chuck or roller
Camera	Overhead camera
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.

Make it together.