

8073 R500 – Technical Specifications

Mechanics	
Working area	1300 mm x 900 mm (51.18 x 35.43 inches)
Loading area	1400 mm x 1150 mm (55.12 x 45.28 inches)
Work piece table	Aluminum cutting grid table Manual Z-axis on laser head, max. Z-height 45 mm (1.77 inches)
Max. engraving speed	1 m/sec. (39.37 in/sec.)
Acceleration	10m/s ² (393 in/sec ²)
Max. cutting speed	0.5 m/sec. (19.68 in/sec.)
Motor	Stepper motors
Optical elements	lens air-flushed for soil-protection
Lens	2.0"
Max. material load	Max. 35 kg
Software	Rayjet® Manager printer driver, Rayjet® Manager laser software Compatible with standard graphic and CAD software like Corel Draw, Adobe Illustrator, ...
Features standard	
Features standard	OptiMotion™, InPack Technology™, kill- and key switch, LED lighting, manual Z-axis on laser head, air cooled optics, 2.0" lens, laser pointer (655nm, <0,99mWcw), coaxial air assist (without pump), air-assist nozzles (Ø3mm and Ø7 mm), aluminum cutting grid table, sealed-off CO ₂ DC laser source water-cooled, water chiller, laser class 2, CE certification
Options	
Optional features	External pump for air assist, aluminum slat cutting table, 4.0" lens, exhaust system, external variable power meter via RJ45-connection
Control System	
Laser power	Adjustable from 0-100%
Hardware interface	USB 2.0
Laser Equipment	
Laser source	Sealed-off CO ₂ DC laser source water-cooled Laser power: 60 W / 100 W / 120 W
Water chiller	16 l/min
Dimensions & weight	
Machine dimensions (Width x Depth x Height)	1870 mm x 1700 mm x 1110 mm (73.62 x 66.93 x 43.7 inches)
Weight	Approx. 570 kg
Ambient conditions	Mandatory ambient temperature 59° to 77° F or +15° to +25° C Humidity 40% to max. 70%, not condensing Dust free environment (2 nd degree according to IEC 60947-1)

Laser Safety

Laser class	CDRH Laser Safety Laser Class 2 CE compliant
Interlock	Double interlock safety system

Exhaust

	cabinet exhaust, table exhaust Ports: 2 x 150 mm (5.9 in) outer diameter External ventilator (optional)
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Electrical Equipment

Power consumption laser	100V – 250V 1100 - 1500W
Power consumption chiller	900 W

Subject to change without notice.
Errors and omissions reserved.
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