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8058 R400 – Technical Specifications

Mechanics	
Working area	1030 mm x 630 mm (40.55 x 24.8 inches)
Loading area	1130 mm x 690 mm (44.45 x 27.17 inches)
Work piece table	Aluminum cutting grid table Software controlled Z-axis; max. Z-height 200 mm (7.87 inches)
Z-height	200 mm (7.87 inches)
Max. engraving speed	1 m/sec. (39.37 in/sec.)
Acceleration	10m/s² (393 in/sec²)
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. 20 kg
Software	Rayjet® Manager printer driver, Rayjet® Manager laser software Compatible with standard graphic and CAD software like Corel Draw, Adobe Illustrator, …

Features standard	
	InPack Technology™, kill and key switch, LED lighting, electrical Z-axis, power potentiometer for machine control panel, air cooled optics, laser pointer (655nm, <0,99mWcw), coaxial air assist (without pump), 2.0" lens, air-assist nozzles (Ø3mm and Ø7 mm), aluminum cutting grid table, sealed CO_2 DC laser source water-cooled integrated, water chiller, laser class 2, CE certification

Options	
	Rotary attachment, external pump for air assist, aluminum slat cutting table, 4.0" lens, exhaust system

Control System	
Laser power	Adjustable from 0-100%
Hardware interface	USB 2.0

Laser Equipment	
Laser source	Sealed CO_2 DC laser source water-cooled Laser power: 60 W - 100 W
Water chiller	16 l/min

Dimensions & weight	
Machine dimensions (Width x Depth x Height)	1550 mm x 1080 mm x 1080 mm (61.02 x 42.52 x 42.52 inches)
Weight	Approx. 300 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 (2nd degree according to IEC 60947-1)

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Laser Safety

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

Exhaust

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

Electrical Equipment

Power consumption laser	100 – 250V, 1200 W
Power consumption chiller	900 W

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