

8060 Q400 DC/RF – 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)
Working table	Aluminium cutting grid table (standard) or aluminium slat cutting table
Max. Z-height	200 mm (7.87 inches)
Max. engraving speed	2 m/sec. (78.74 in/sec.)
Acceleration	15m/s ² (590 in/sec ²)
Max. cutting speed	0.7 m/sec. (27.56 in/sec.)
Motor	Servo motors
Optical elements	Mirrors, lens air-flushed for soil-protection
Lenses	2.0" (standard), 4.0"
Max. material load	Max. 20 kg
Laser class	Class 2 – Safe operation due to closed housing, secured with interlocks

Standard Features and Accessories

Software	Ruby®
InPack Technology™	Protection of moving parts against dust
Air-Assist	Coaxial air assist incl. integrated pump
Laser pointer	655nm, <0.99mWcw
Laser source	Adjusted and reviewed laser source integrated
Water-cooling	DC-Version includes the chiller within the scope of delivery 16 l/min
Connection for exhaust	Adjustable cabinet exhaust, adjustable table exhaust Ports: 1 x 150 (90) mm (5.9 (3.5) in) outer diameter
Additional standard features	Safety-switch, system turnkey, LED work area light, electrical z-axis, SonarTechnology™ auto-focus function, OptiMotion™, air-cooled optics, air-assist nozzle (Ø3 mm und Ø7 mm), focus tool, aluminium cutting grid table, laser class 2, CE certification

Options and optional accessories

Working table	Aluminium slat cutting table
Lenses	4.0" lens
Exhaust / Vent-Set	External ventilator incl. accessories (hoses, hose clamps)
Gas-Kit	Connection for external compressed air (purity level ISO 8573-1:2010 [1:4:1]), max. 400 kPa (58 PSI), air_quick_connector PP20, pressure-resistant lenses 2.0" and 4.0" included
Vision Print & Cut	Registration mark recognition and compensation system
Rotary attachment	Conus 150 mm: Objects with Ø 80-150 mm and length 50-520 mm Conus 100 mm: Objects with Ø 30-100 mm and length 50-520 mm Three-jaw chuck and counter bearing: Objects with Ø 5-33 mm and length 30-515 mm Max. weight of workpiece: 1600 g

Control system

Laser power	Adjustable from 0-100%
Hardware-interface	Connection to the PC via USB 2.0-Interface

Laser equipment and power

Laser source	Sealed CO2 DC laser source water-cooled Laser power: 100 W Sealed-off CO2 RF CeramiCore® laser source air-cooled Laser power: 60 W
Water-cooling	16 l/min

Dimensions and weight

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 +15° to +25° C (59° to 77° F) Humidity 40% to max. 70%, not condensing Dust free environment (2nd degree according to IEC 60947-1)

Safety and environment

Laser class	CDRH laser safety laser class 2
Interlock	Dual-channel interlock safety system
Certificates	CE

Electrical

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

Subject to changes without notice. Errors and omissions excepted.
Modell Identification: 8060 Q400 DC/RF
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