

Q400DC – 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 piece table	Aluminum cutting grid table Software controlled Z-axis, 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	lens air-flushed for soil-protection
Lens	2.0"
Max. material load	Max. 20 kg
Software	JobControl® Expert printer driver, JobControl® Expert laser software Compatible with standard graphic and CAD software like Corel Draw, Adobe Illustrator, ...

Feature standard

Feature standard	OptiMotion™, InPack Technology™, kill and key switch, LED light, Software controlled Z-axis, power potentiometer for machine control panel, air cooled op-tics, 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 CO2 DC laser source water-cooled integrated, water chiller, laser class 2, CE certification
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Options

Optional features	Sonar Technology™, JobControl® Vision, external pump for air assist, aluminum slat cutting table, 4.0" lens, exhaust system
Rotary attachment	Cone 150 mm (5,9 inch) Cone 100 mm (3,9 inch) Three-jaw chuck and counter bearing 1-50 mm (0,04-2 inch) Max. workpiece diameter: 160 mm (6.3 inch) Max workpiece length cones: 500 mm (19.7 inch)

Control System

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

Laser Equipments

Laser source	Sealed CO ₂ DC laser source water-cooled
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	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))

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)
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Electrical Equipments

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

Subject to change without notice. Errors and omissions reserved.
Model identification Q400DC-8060
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