

# Laser cutting machine Quattro

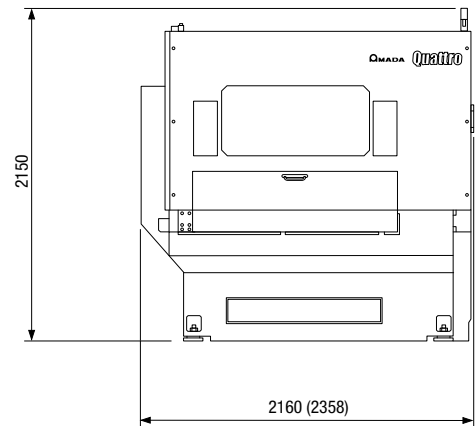
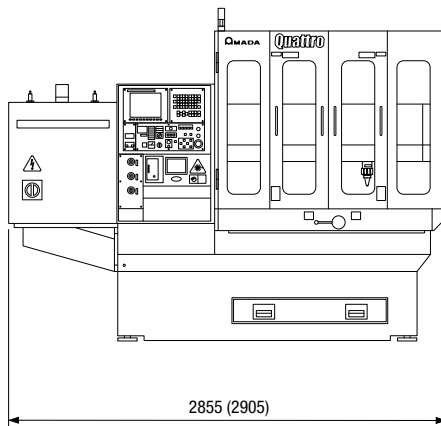


Laser technology



**AMADA**<sup>®</sup>

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Note: Dimension without tube cutting device, dimensions in brackets for 2 kW

Technical data		Quattro	
Max. cutting area		(X) 1260 x (Y) 1260 mm	
Axis travel cutting head		(Z) 100 mm	
Table load	80 kg		160 kg
Max. thickness of the material			
Steel	6 mm		12 mm
Stainless steel	2 mm		6 mm
Positioning speed X/Y/Z		30/30/15 m/min	
Simultaneous		42 m/min	
Positioning accuracy		± 0,01 mm	
Repeatability		± 0,005 mm	
Machine weight	3,300 kg		3,600 kg
Laser			
Resonator	AF1000E		AF2000E
Max. continuous laser output	1000 W		2000 W
Laser gas consumption		10 l/h	
Laser source	CO <sub>2</sub> -Laser (AC HF excited, fast-flowing)		
Frequency		5-2,000 Hz	
Laser wavelength		10.6 µm	
Beam divergence		< 2 mrad	
Tube cutting device (optional)			
Diameter		Round pipe = 20 - 180 mm	
Max. length		1,100 mm	
Max. weight		35 kg	
Chuck corehole		55 mm	
Controller			
CNC controller		Fanuc 16i-LB	
Screen		9,5"	
Number of controlled axes		3 (X/Y/Z) as well as the Laser output control	

- Standard features**
- High-pressure cutting (CleanCut)
  - Aluminium cutting (AluCut)
  - Automatic gas pressure control
  - Contact-free capacitive laser cutting head type HS
  - Dust collector
  - Chiller
  - Diode positioning laser
  - Auxiliary gas filter
  - Roller support for sheet positioning



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In the interest of technological progress, we reserve the right to make any changes to technical dimensions, construction and equipment as well as illustrations. Specifications of accuracy are in conformance with the VDI/DGQ 3441. The accuracy of the workpiece and the thickness of the material that can be cut, is dependent on the cutting conditions, the material, the type of workpiece, its pretreatment, the size of the panel as well as the position in the working area.

Laser class 1 conforming to DIN EN 60 825-1 used during standard operation. CO<sub>2</sub>-Laser: Class 4 Laser with invisible radiation. Avoid contact of eyes or skin with direct or scattered radiations. Positioning laser: Visible class 3R laser. Avoid eye-contact with direct radiations.