

Trust the Japanese technology

Mitsubishi Electric 2D Cross-Flow Laser Processing Machines



eX-S series

Processing Performance

The Mitsubishi laser processing machines of the eX-S series, just like the rest of the eX series, are based on three-axial Cross-Flow resonators. They ensure maximum output when working with materials whose dimensions are equal to 1,500 x 3,000 mm and thickness is equal to 0.5 to 20 mm. The eX machines can be equipped with an automatic exchangeable two-pallet table or a manual one-pallet table.

The Mitsubishi technology provides new possibilities in laser processing at lower operational costs.

Mitsubishi designs and makes by itself all the key components of the laser system, to include the resonator, the cutting system, and the control system. The manufacturing and the final assembly take place in Japan.



Mitsubishi eX-S laser processing machines stand for:

- high efficiency
- excellent cut quality
- reliability
- low operating costs
- simple operation

Technical specification

Design of the machine	Mobile optical system, two exchangeable tables or a manual one-pallet table
Resonator type	Cross-Flow Mitsubishi
Available resonator power	2700 W
Control	M700 Mitsubishi, a 15" touch screen
Maximum working area	3100 x 1565 mm
Maximum sheet weight	930 kg
Outside dimensions	10180 x 3130 x 2260 mm
Weight of the machine	9,600 kg with the automatic table or 8,500 kg with the manual table
Range of operation in the X/Y/Z axes	3100/1565/150 mm
Startup time	3 min
Simultaneous speed X axis, Y axis	140m/min
Maximum work speed	50m/min
Positioning accuracy	0.05/500 mm (X axis, Y axis)
Positioning repeatability	0.01 mm (X axis, Y axis)
Head	PH-XS Mitsubishi, Auto Focus, 7.5" and 5" (optional) lenses

Cutting range

2700 W

black steel	0,5 - 20 mm
stainless steel	0,5 - 8 mm
aluminum	0,5 - 8 mm
brass, copper	0,5 - 3 mm

Caution!

The thickness range and the quality of the cut depend on the quality of the input material and the shape of the element being cut. The optional 5" lens is required for cutting reflective materials, such as brass and copper.