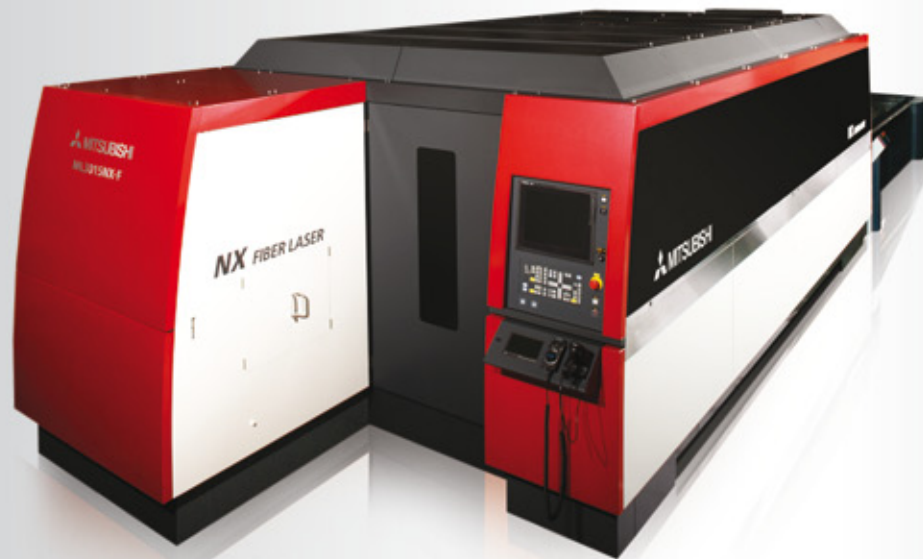


# Trust the Japanese technology

Mitsubishi Electric 2D Laser Processing Machines

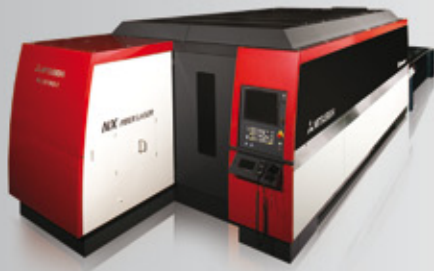


## **NX-F** series

Processing Performance

**The NX-F series Mitsubishi laser processing machines**, made using the fiber optic technology, enable precise processing of thin regular and stainless steel and aluminum. Built with state-of-the-art technologies, they ensure maximum output and low operating costs.

Mitsubishi pays particular attention to work safety; therefore, it uses materials of the highest quality and strictly observes the applicable standards. The manufacturing and the final assembly take place in Japan.



### Mitsubishi NX-F laser processing machines stand for:

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

## Technical specification

Design of the machine	Fiber resonator, two exchangeable tables
Available resonator power	<b>2500 W, 4000W</b>
Control	M700 Mitsubishi, a 15" touch screen
Maximum working area	3050 x 1525 mm
Maximum sheet weight	930 kg
Outside dimensions	10180 x 3130 x 2260 mm
Weight of the machine	10 000 kg
Range of operation in the X/Y/Z axes	3200/1600/150 mm
Startup time	3 min
Simultaneous speed X axis, Y axis	170m/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-F Mitsubishi, Auto Focus, 4" and 8" lenses

## Cutting range

2500 W		4000 W	
<b>black steel</b>	0,5 - 19 mm	<b>black steel</b>	0,5 - 20 mm
<b>stainless steel</b>	0,5 - 12 mm	<b>stainless steel</b>	0,5 - 20 mm
<b>aluminum</b>	0,5 - 10 mm	<b>aluminium</b>	0,5 - 15 mm
<b>brass, copper</b>	0,5 - 5 mm	<b>brass, copper</b>	0,5 - 8 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 highest efficiency can be achieved when cutting thin materials with thickness range of 0.5 mm - 5 mm.