

2000W Fiber Laser Metal Cutting Machine

This laser cutting machine integrates optical, mechanical, and electrical components for processing metal sheets. It utilizes computer control technology and a CNC laser power system to achieve high speed and efficiency.



ADDITIONAL IMAGES



Product Overview

High-Performance Fiber Laser Cutting

This advanced fiber laser cutting machine integrates optical, mechanical, and electrical components into a high-speed, efficient system. Designed for precision metal processing, it delivers clean edges with minimal kerf width and reduced heat-affected zones. Built for 24-hour continuous production, this machine is an ideal solution for industrial metal fabrication.

Technical Capabilities



Precision-cut metal components showcasing high accuracy and intricate design capabilities.

Performance Metrics

3000 mm
Cutting Length

1500 mm
Cutting Width

120 m/min
Max Positioning Speed

0.03 mm
Positioning Accuracy

Operational Precision

Feature	Value
Laser Source	Fiber
Power Range	500W-3000W
Wavelength	1070nm
Min Cutting Gap	d0.1mm
Repeated Positioning Accuracy	±0.01 mm

System Configuration



Engineering features including imported CNC control, Swiss-engineered cutting heads, and robust stainless steel cooling systems.

System Details

- Imported servo motor drive system
- Floating Z-axis function for uneven materials
- Stainless steel water cooling system with online conductivity monitoring
- Vibration-aged welded steel frame
- High-precision inclined gear and rack guide rails

Operating Requirements

380V Power, 50/60Hz, 5°C-45°C Temp Range, 24-Hour Duty Cycle