

# Fiber Laser Cutting Machine for Metal

This fiber laser metal cutting machine is designed for cutting and shaping carbon steel, stainless steel, and aluminum alloy. It features an automatic focus follow-up system and is suitable for high-speed, high-precision metal cutting.



## ADDITIONAL IMAGES



## Overview



The fiber laser cutting machine features a robust frame and advanced CNC control for precise metal fabrication.

### High-Performance Fiber Laser Cutting

This fiber laser metal cutting machine is designed with excellent flexibility and performance, featuring international brand components for the motor and control systems. It is an ideal choice for high-speed and high-precision cutting of carbon steel, stainless steel, and aluminum alloy. The system offers a stable running performance with a high degree of integration, making it a cost-effective solution for industrial metal shaping.

### Applicable Materials

Carbon Steel, Stainless Steel, Aluminum Alloy, Brass, Pickling Board, Aluminum Zinc Plate

## Motion Control

### Automatic Focus System

- Height following control range: 0-10mm
- One-key positioning operation
- Network communication and flash disk upgrade support
- Sampling rate: 1000 times/sec
- Max following speed: 500mm/sec

### System Precision

**0.001 mm**

Static Inspection Accuracy

**0.02 mm**

Dynamic Responding Accuracy

## Safety & Monitoring

### Safety Systems

- Board touching alarm
- Board leakage alarm
- Real-time oscilloscope function
- Real-time electric capacity and height survey

## Cutting Capabilities

### Laser Power & Cutting Thickness

Power Source	Carbon Steel (mm)	Stainless Steel (mm)	Aluminum (mm)	Brass (mm)
500W (Max Cutting)	8	4	2	2
500W (Max Processing)	5	3	0	0
700W (Max Cutting)	10	6	3	3
700W (Max Processing)	6	5	0	0
1000W (Max Cutting)	14	8	4	4

## Technical Features

### Key Advantages

High Speed • High Precision • High Efficiency • Cost Effective