

# Fiber Laser Cutting Machine

This fiber laser cutting machine is designed for precision cutting of various materials. It features a robust construction and advanced laser technology for efficient and accurate performance.



## ADDITIONAL IMAGES



## Overview

### High-Performance Fiber Laser Cutting

This industrial-grade fiber laser cutting machine is engineered for precision metal processing, offering a robust gantry structure and advanced optical technology. Designed for continuous 24-hour operation, it delivers high cutting speeds and exceptional accuracy for both carbon and stainless steel. The system integrates intelligent control software, automated focus adjustments, and a comprehensive cooling and filtration setup to ensure consistent, high-quality production with minimal material waste.

## Technical Specifications

### Max Cutting Capacity

**12 mm**

Carbon Steel

**6 mm**

Stainless Steel

### Precision Metrics

Metric	Value
Axial Accuracy	±0.05 mm/m
Repeat Accuracy	±0.03 mm/m
Min Beam Width	d0.125mm

### Laser Output Power

1500 W

### Working Area

3000mm x 1500mm

## System Components

### Control System Capabilities

- Drawing process and parameter setting
- Route planning and cutting control
- Material process library
- Compatible with DXF, PLT, AI, NC-MASTER formats

### Key System Features

Auto Focus Head, Gantry Structure, Dual Gear Rack Transmission, Water Chiller Cooling, Dust Extraction Unit, Air Dryer System

## Operational Requirements

### Operating Environment

- Temperature: 5-35°C
- Level floor space: 6m x 6m
- Clean, dry, dust-free environment
- Air compressor required (0.8-1.3Mpa)

### Power Supply

380V/50HZ

### Machine Dimensions

4320mm x 2420mm x 1510mm

### Machine Weight

3500 kg