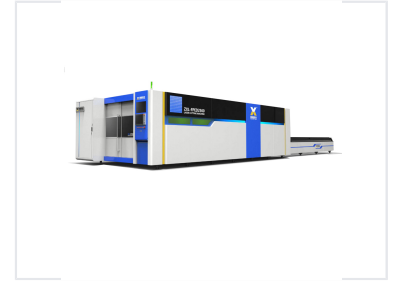
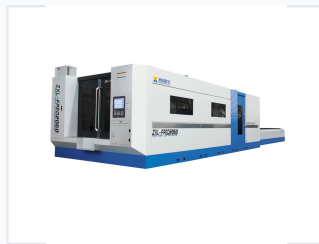


High Power Fiber Laser Metal Cutting Machine

This fiber laser cutting machine uses a fiber laser to produce a high-energy density laser beam. The beam melts and sublimates the workpiece surface, achieving automatic cutting through a CNC mechanical system.



ADDITIONAL IMAGES



Overview

High-Performance Fiber Laser Cutting

This high-power fiber laser cutting machine utilizes advanced optical focusing technology to deliver smooth, precise cuts on metal plates. Designed for industrial efficiency, it features a gantry-type structure with an aviation-grade aluminum alloy beam for superior stability and speed. With dual exchange working tables and high photoelectric conversion efficiency, it is an ideal solution for heavy-duty metal processing across sectors like aerospace, automotive, and engineering.

Technical Specifications

Laser Power Range

2000 W
Minimum Power

12000 W
Maximum Power

| | |
|-------------------|---------------|
| Machine Model | FPED2060 |
| Cutting Thickness | 0.5 - 30mm |
| Working Area | 2000 x 6000mm |

Performance Metrics

| | |
|-----------------------------|-----------|
| Maximum Speed | 120 m/min |
| Max Acceleration | 1.5 G |
| Repeat Positioning Accuracy | ±0.02mm |

Construction & Design

| | |
|---------------------------------|--|
| Frame Structure | Gantry type, welded rectangular tubes with internal stiffeners |
| Beam Material | 6061 T6 Aviation Aluminum Alloy |
| Table Weight | 4500 kg |
| Rectangular Pipe Wall Thickness | 10 mm |

Electrical Requirements

| | |
|-----------------------|----------------|
| Voltage and Frequency | 380V 50Hz/60Hz |
|-----------------------|----------------|

Features

| | |
|--------------|---|
| Key Features | Exchange Working Tables, Aviation Aluminum Beam, High Photoelectric Efficiency, Energy Saving, Gantry Structure |
|--------------|---|

Industries

Suitable Industries

- Aerospace
- Automobile
- Electrical Equipment
- Shipbuilding
- Elevator Manufacturing
- Household Appliances
- Decoration & Advertising