

Metal Sheet Fiber Laser Cutting Machine

This fiber laser cutting machine is used in various applications including electric control boxes, auto parts, and metal processing. The machine provides narrow, parallel cutting with smooth surfaces and minimal heat affected zone.



ADDITIONAL IMAGES

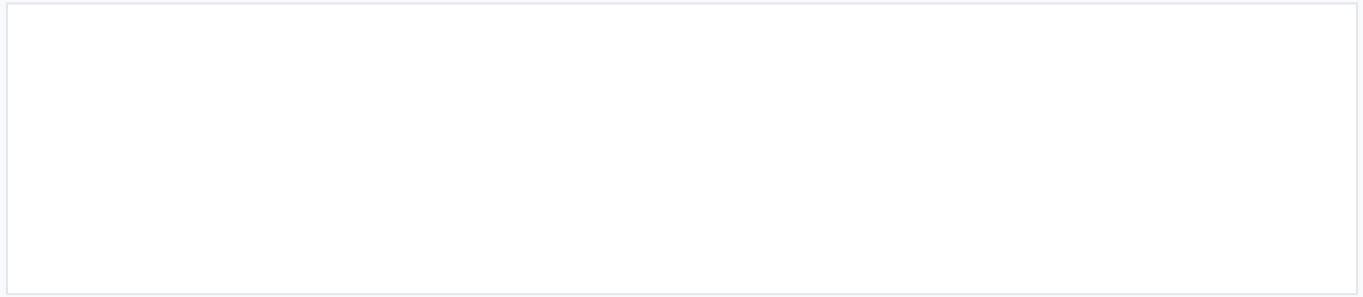


Product Overview

High-Precision Fiber Laser Cutting Solution

This fiber laser cutting machine is engineered for high-accuracy metal fabrication, offering a dimensional accuracy of up to +/- 0.05 mm. It features a minimal heat-affected zone to prevent workpiece deformation and produces smooth, finished edges that often require no secondary processing. With power options ranging from 500W to 3000W, it is an ideal solution for industries ranging from automotive parts to kitchen appliance manufacturing.

Technical Capabilities



Key Performance Metrics

0.05 +/- mm

Dimensional Accuracy

3000 W

Max Power Output

20 Years

Manufacturing Experience

Available Machine Types

- 3D Robot Laser Cutter
- Metal Sheet Laser Cutter
- Metal Tube Laser Cutter
- Laser Welding Machine
- Laser Cladding Machine
- Laser Perforating Machine

Cutting Capacity

Material Thickness Capacity

| Power Source | Carbon Steel (max) | Stainless Steel (max) | Aluminum (max) | Brass (max) |
|--------------|--------------------|-----------------------|----------------|-------------|
| 500W | 8mm | 4mm | 2mm | 2mm |
| 700W | 10mm | 6mm | 3mm | 3mm |

Applications

Target Industries

Kitchen Appliances, Electric Control Boxes, Mechanical Equipment, Electrical Equipment, Lighting, Automotive Parts, Hardware, Metal Processing, Signage & Posters

Product Advantages

Technical Advantages

- Narrow and parallel cutting kerf for high precision
- Smooth surface roughness (only a few dozen microns)
- Minimal heat-affected zone to protect material performance
- Low workpiece deformation during high-heat processing
- Regular rectangular cross-section shapes

Compliance & Warranty

Certifications

CE • FDA • SASO • IAF • CNAS

Warranty

2 Years