

CNC Fiber Laser Cutter for Metal Plate

This CNC fiber laser cutter provides a complete solution for metal cutting with integrated optical, mechanical, and electrical components. It features a fiber laser, chiller, cutting head, exchange table, control system, and ventilation for efficient and precise cutting.



ADDITIONAL IMAGES



Overview

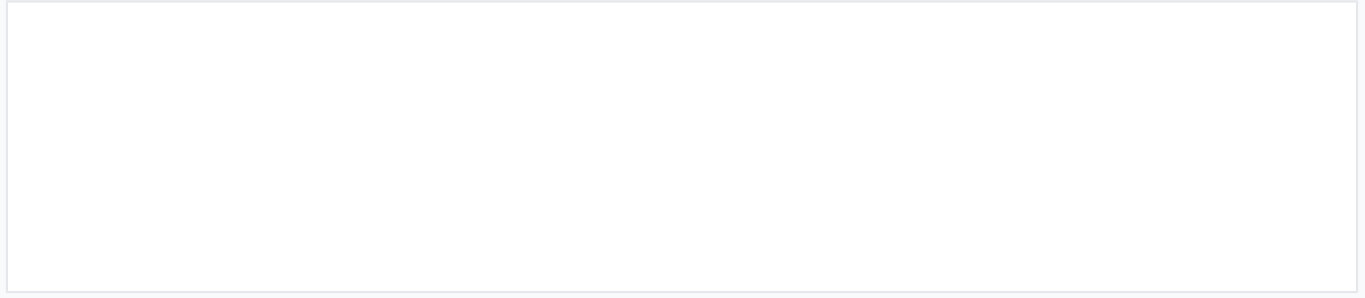
High-Efficiency CNC Fiber Laser Cutting System

This CNC fiber laser cutter is a complete integrated solution combining optical, mechanical, and electrical components for high-precision metal plate fabrication. It offers a significantly smaller focal spot and cutting gap compared to traditional methods, resulting in superior processing quality and efficiency. With power consumption at only 20-30% of traditional CO2 lasers and a maintenance-free reflective lens system, it provides a highly cost-effective and environmentally friendly solution for industrial manufacturing.

Key Advantages

- High photoelectric conversion rate (3x higher than CO2 lasers)
- Extremely high cutting speeds (up to 2x traditional CO2 specs)
- Low maintenance cost with no reflective lenses required
- Flexible processing with compact and intense structure design
- Convenient fiber transmission with no laser route adjustment needed

Technical Performance



Performance Highlights

120 m/min

Max Positioning Speed

1.2 G

Max Acceleration

1070 nm

Laser Wavelength

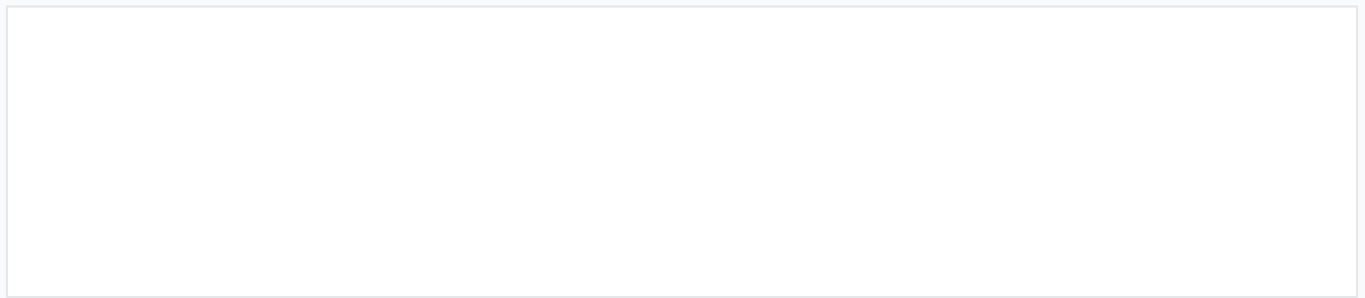
Model

GS-LFDS3015

Laser Source Medium

Fiber

Working Range



Cutting Range (L * W)

3000 mm x 1500 mm

Z-Axis Stroke

250 mm

Configuration

Integrated Components

- Fiber Laser Source
- Industrial Chiller
- Fiber Cutting Head
- Exchange Table
- CNC Control System
- Ventilation System

Available Output Power

1000W, 1500W, 2000W, 2500W, 3000W, 4000W

Cooling Method

Water cooling

Material Capabilities

Supported Steel Thickness

3mm • 6mm • 12mm • 16mm