

500-1500W Fiber Laser Cutting Machine for Metal

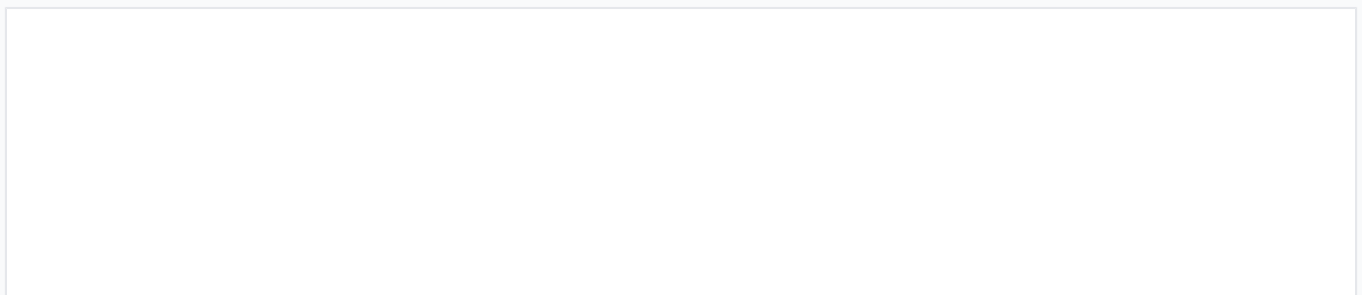
This fiber laser cutting machine integrates optical, mechanical, and electrical components for precise metal processing. It features a fiber laser, chiller, cutting head, exchange table, control system, and ventilation system.



ADDITIONAL IMAGES



Product Overview



The GS-LFDS3015 features a robust, fully enclosed design for high-precision metal fabrication.

High-Efficiency Metal Fiber Laser Cutting

This 500W to 2000W fiber laser cutting machine is a complete integrated system featuring optical, mechanical, and electrical components. It is designed for high-precision cutting of stainless steel, aluminum, and other metals with a positioning accuracy of $\pm 0.03\text{mm}$. The system includes a fiber laser source, chiller, exchange table, and advanced ventilation for a safe and productive industrial environment.

Key Performance Metrics

Performance Highlights

2000 W
Max Power

0.03 mm
Positioning Precision

30 %
Photo-electric Efficiency

Technical Specifications

Model	GS-LFDS3015
Effective Cutting Area	3000mm x 1500mm
Z-Axis Stroke	150 mm
Available Laser Power	500W, 700W, 1000W, 1500W, 2000W

Core Advantages

Machine Advantages

- Low power consumption with 30% conversion efficiency
- Maintenance-free operation without reflective lenses
- High-speed cutting with IPG/ROFIN laser sources
- High cutting quality with minimal deformation
- Compact structure with small footprint
- Safety shield for operator protection

System Components

Included Components	Fiber Laser Source, Water Chiller, Fiber Cutting Head, Exchange Table, Control System, Ventilation System
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Compliance & Quality

Certifications

CE • TUV • CNAS