

# Fiber Laser Metal Cutting Machine

This fiber laser cutting machine offers higher accuracy and speed for efficient metal processing. It features a robust frame and a state-of-the-art laser source for powerful and consistent cutting performance.



## Product Overview



Industrial fiber laser cutting machine featuring a robust frame and advanced automated control system.

## High-Performance Fiber Laser Cutting

This industrial-grade fiber laser cutting machine is engineered for high-precision metal processing, offering superior accuracy compared to plasma cutting and significantly higher speeds than traditional punching methods. Designed for reliability, it features a robust frame construction and a user-friendly CNC control interface. The system delivers efficient cutting performance with reduced power consumption, lower noise levels, and enhanced operator safety.

## Key Benefits



Diverse metal art samples demonstrating the versatility and precision of the fiber laser technology.



A decorative metal ornament featuring a traditional Chinese character, highlighting clean edges and intricate detail.

## Operational Advantages

High Accuracy • High Speed • Energy Efficient • Low Noise • Low Dust • User Friendly • Cost Effective

## Technical Specifications



Examples of complex metal components showcasing high-precision cutting capabilities.

### Machine Performance Data

Specification	Model HGLA6020Q	Model HGLA-6020E
Process Area (mm)	2000 x 6000	2000 x 6000
Positioning Accuracy (mm/m)	0.05	0.05
Repeating Accuracy (mm/m)	0.03	0.03
Max Transverse Speed (m/min)	80	80
Acceleration (G)	0.8	0.8
Loading Capacity (kg)	1500	1500
Total Weight (kg)	9800	5500

### System Configuration

- Controller Interface: Windows
- Monitor: 17 inch
- CNC System: Friendess/CYPCUT
- Laser Source Compatibility: IPG, Raycus, N-light
- Assist Gases: O2 (Oxygen), N2 (Nitrogen)
- Input Power: 3-Phase 220/380/400/415V

## Featured Metrics

### Machine Dimensions

**16100 mm**

Length (Model Q)

**7900 mm**

Length (Model E)