

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.

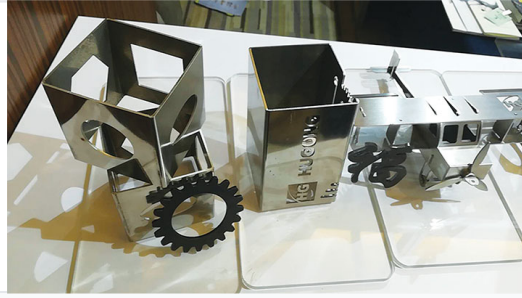


A decorative metal ornament featuring a traditional Chinese character, highlighting clean edges and intricate detail.

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)