

620W Stainless Steel Laser Cutting Machine

This laser cutting machine is designed for processing stainless steel with precision. It features auto focus and can cut steel plate with thicknesses from 0.1mm to 8mm.



Overview

High-Performance YAG Laser Cutting System

This 620W YAG laser cutting machine is engineered for high-precision industrial metal processing, offering superior speed and dimensional stability. Designed for continuous 24-hour operation, it provides an exceptionally cost-effective alternative to traditional CO2 lasers with significantly lower maintenance and operational expenses. It is an ideal solution for manufacturing industries requiring high-quality cuts on various metal materials with minimal heat-affected zones.

Technical Specifications

Key Performance Metrics

620 W Output Power	4100 mm Work Length	1500 mm Work Width	35 mm/s Max Cutting Speed
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Processing Parameters

Parameter	Value
Cutting Thickness	0.1mm - 8mm
Min. Line Width	0.2mm
Laser Wavelength	1064nm
Pulse Frequency	1 - 300HZ

Precision Specs

- Geometric positioning accuracy: $d \pm 0.08\text{mm}/1000\text{mm}$
- Re-orientation accuracy: $d \pm 0.04\text{mm}$

Operational Requirements

Utility & Maintenance

- Electrical Source: 380V/50HZ/100A
- Cooling System: 7P water-cooling
- Machine Weight: 4200kg

Material Compatibility

Applicable Materials	Stainless Steel, Carbon Steel, Alloy Steel, Spring Steel, Copper, Aluminum, Gold, Silver, Titanium
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