

CNC YAG 500W Laser Metal Sheet Cutting Machine

This CNC YAG laser cutting machine cuts sheet metal with a 500W laser. It precisely cuts stainless steel, carbon steel, alloy steel, aluminum, and other metals up to 6mm thick.



ADDITIONAL IMAGES



Product Overview

Industrial Precision Laser Cutting

This CNC YAG 500W laser cutting machine integrates advanced optical, mechanical, and computer control technologies to deliver high-precision metal fabrication. Designed for continuous 24-hour operation, it offers a robust solution for cutting various metals including stainless steel, aluminum, copper, and titanium. With its efficient CNC control system and high-speed processing capabilities, this machine is an ideal choice for industries ranging from sheet-metal manufacturing and electrical cabinet production to decorative metal crafts.

Performance Metrics

Key Performance Indicators

500 W

Laser Power

8 m/min

Max Cutting Speed

6 mm

Max Cutting Thickness

Technical Specifications

Machine Specifications

Parameter	Value
Laser Medium	Nd: YAG500
Laser Wavelength	1064nm
Cutting Area	3000mm x 1500mm
Cooling Method	Water cooling
Repeat Pulse Frequency	0-500Hz
Min Line Width	d0.1mm
Machine Weight	3000kg

Compatibility & Materials

Supported File Formats

- NC Documents
- DXF
- PLT
- AI

Compatible Materials

Stainless Steel, Carbon Steel, Alloy Steel, Spring Steel, Aluminum, Silver, Copper, Titanium

Electrical & Dimensions

Power Supply

380V/50HZ/50A

Machine Dimensions

4270mm x 2480mm x 1400mm