

# 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