

# CNC YAG Laser Metal Cutting Machine

This CNC machine utilizes a YAG laser to precisely cut metal sheets. It can process materials up to 6mm thick with a maximum cutting speed of 8m/min.



## ADDITIONAL IMAGES



## Overview

### Industrial Precision Cutting Solution

This CNC YAG laser cutting machine integrates advanced optical, mechanical, and electrical technologies to deliver high-efficiency metal processing. Designed for versatility, it handles a wide range of materials including stainless steel, carbon steel, and aluminum up to 6mm thick. With its robust gantry structure and high-performance CNC control, it ensures smooth cutting surfaces, minimal heat-affected zones, and high-speed production for industrial applications.

## Key Performance Metrics

### Performance Highlights

**500 W**

Output Power

**10 m/min**

Max Cutting Speed

**6 mm**

Max Cutting Thickness

## Technical Specifications

### Technical Data

Parameter	Value
Laser Medium	Nd: YAG
Wavelength	1064nm
Working Power	380V/50HZ/50A
Cutting Area	2500mm x 1250mm
Cooling Method	Water cooling
Pulse Frequency	0-500Hz
Min Line Width	d0.1mm

## Operational Capabilities

### Typical Industries

- Sheet-metal structure
- Electrical cabinet production
- Hardware manufacturing
- Advertising signs
- Metal crafts
- Aviation
- Mechanical parts

### Compatible Materials

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

### Continuous Operation

24 hours