

# CNC YAG Laser Cutting Machine for Metal

This CNC YAG laser cutting machine is designed for metal fabrication. It features a 500W YAG laser source and a CNC control unit for creating intricate cutting patterns on metal sheets.



## Product Overview

### Industrial Precision Laser Cutting

This wide-breadth sheet metal laser cutting machine integrates advanced optical, mechanical, and electrical systems to deliver high-performance cutting. Designed for versatility, it handles a wide range of metals including stainless steel, carbon steel, and aluminum, making it ideal for industries ranging from electrical cabinet production to metal crafts. With features like auto-focus and a small heat-affected zone, it ensures clean, precise edges without the need for secondary processing.

## Technical Specifications

Cutting Area	2500mm x 1250mm
Max Cutting Speed	8 m/min
Cutting Depth	0.2-6mm
Laser Wavelength	1064 nm
Min Line Width	0.12 mm

## Performance Metrics

### Key Performance Indicators

**500 W**

Laser Power

**500 Hz**

Pulse Frequency

**24 hours**

Continuous Runtime

## Physical Dimensions

Machine Dimensions	3770mm x 2280mm x 1400mm
Weight	2400 kg

## Operational Requirements

Power Supply	380V/50Hz/50A
Cooling System	Water cooling

## Material Compatibility

Supported Materials	Stainless Steel, Carbon Steel, Alloy Steel, Spring Steel, Aluminum, Silver, Copper, Titanium
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## Machine Features

### Advanced Features

- Auto-focus cutting
- Pneumatic folder device
- Floating loader and unloader
- Gantry mechanical structure
- Panasonic servo drive
- Coaxial red laser positioning