

# 500W CNC YAG Laser Cutting Machine for Sheet Metal

This 500W laser cutting machine is designed for precision cutting of sheet metal up to 6mm thickness. It features a CNC control system and a 500mm x 500mm cutting area, with a maximum cutting speed of 8m/min.



## ADDITIONAL IMAGES



## Product Overview

### High-Precision YAG Laser Cutting Solution

The HECY0505-500 is a compact CNC YAG laser cutting system engineered for high-precision fabrication of small-format metal components. Utilizing a fixed gantry design and electronic control translation, it ensures exceptional cutting accuracy for materials like stainless steel, copper, and titanium. This robust 500W system is built for 24-hour continuous operation, making it an ideal choice for industries ranging from jewelry and advertising to precision machinery and automotive parts.

## Key Performance Metrics

### Core Cutting Specs

**500 W**

Laser Power

**8 m/min**

Max Cutting Speed

**6 mm**

Max Cutting Depth

**500 mm**

Work Area Length

## Technical Specifications

### Machine Parameters

Feature	Specification
Laser Medium	Nd: YAG
Laser Wavelength	1064nm
Pulse Frequency	0-500Hz
Min Line Width	0.12mm
Cooling Method	Water cooling
Power Requirements	380V/50Hz/50A
Dimensions	1950x1200x1600mm
Weight	500kg

## Applications

### Industry Applications

Metal Products, Hardware, Precision Machinery, Auto Parts, Jewelry, Advertising, Electronics