

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