

2500x1300mm Metal Sheet and Pipe Laser Cutter

This laser cutter is designed for processing both metal sheets and pipes. It features a large 2500mm x 1300mm working area for sizable workpieces.



Overview

Dual-Use Precision Laser Cutting Solution

This industrial-grade laser cutting machine is engineered for versatility, offering dual-use capability to process both metal sheets and pipes. With a generous 2500mm x 1300mm processing area, it delivers high-precision cutting for a wide array of applications, from kitchenware and automotive components to intricate mechanical parts. The system is designed for efficiency, featuring a stable YAG laser technology that reduces operational costs and maintenance requirements compared to traditional CO₂ or CNC punch alternatives.

Technical Specifications

Key Laser Metrics

620 W

Power

1064 nm

Wavelength

300 HZ

Max Frequency

Working Area (L x W)	2500 mm
Z-axis Scope	150 mm
Max. Cutting Speed	35 mm/s
Positioning Accuracy	d±0.008mm/1000mm
Repeatability	d±0.04mm

Material Capabilities

Pipe Cutting Capabilities

Metric	Value
Max Cutting Diameter	20-320mm
Max Pipe Length	2000mm
Wall Thickness	0.2-3mm

Compatible Materials	Stainless steel, Carbon steel, Alloy steel, Spring steel, Copper, Aluminum, Gold, Silver, Titanium
Sheet Cutting Thickness	0.2-8 mm (mild steel)

Operational Features

Pipe Cutting Functions

- Cut lines and holes of different diameters
- Cut inclined end sections
- Cut intersected branch pipes
- Cut square, waist-shaped, and circular holes
- Pipe truncation
- Surface graphics engraving

Common Applications

Kitchenware • Saw Blades • Mechanical Parts • Electrical Equipment • Automotive • Hardware • Spectacle Frames