

# 300W Fiber Laser Sheet Metal Cutter

This fiber laser cutting machine is CE certified. It cuts sheet metal below 3mm with a maximum speed of 10m/min across a 3000mmx1500mm area.



## Overview

### High-Precision Fiber Laser Cutting

This advanced fiber laser cutting machine integrates optical, mechanical, and electrical systems to provide efficient sheet metal processing. Designed for high-speed and high-precision tasks, it utilizes a semiconductor-pumped continuous ytterbium-doped fiber laser to deliver exceptional beam quality and focusing performance. It is an ideal solution for industries such as hardware, precision machinery, automotive parts, and jewelry manufacturing.

## Performance Metrics

### Key Performance Metrics

**300 W**

Laser Power

**10 m/min**

Max Cutting Speed

**0.12 mm**

Min Line Width

**100000 hours**

Pump Source Lifetime

## Technical Specifications

Machine Dimensions	3750mm x 2280mm x 1680mm
Machine Weight	3000 kg
Max Cutting Range	3000mm x 1500mm
Cutting Depth	0.2 - 3mm
Power Requirements	380V / 50HZ / 12KVA

## Laser System

Laser Medium	Semiconductor pumped continuous yb-doped fiber
Laser Wavelength	1070 nm
Electro-optical Efficiency	>25%
Beam Quality (M2)	<1.1

## Operational Features

Cooling Method	
Air Cooling	
Suitable Materials	Stainless Steel, Alloy Steel, Copper, Titanium
Operating Temperature	5 - 35 °C
Continuous Operation	Yes