

# Plate Joint Laser Welding Machine

This plate joint laser welding machine features automated preheating, robotic loading/unloading, and a four-station auto-turn plate. An auto pressing device reduces welding deformation and improves production efficiency and quality.



## ADDITIONAL IMAGES



## Overview

### Advanced Plate Joint Laser Welding System

This high-precision laser welding machine is engineered for advanced industrial applications, featuring a highly automated design that includes robotic loading and unloading. By utilizing a non-contact welding process, the system significantly reduces material deformation and appliance wear while maintaining high production efficiency. Its versatile capability allows for the welding of various materials, even when combining different textures and natures, making it an ideal solution for complex manufacturing environments.

## Key Advantages

### Operational Benefits

- High automation level with robotic handling
- Four-station automatic turn plate
- Integrated preheating, welding, and unloading
- Non-contact welding reduces deformation
- Versatile material compatibility
- Compact design for small parts and close intervals

## Technical Performance

### CO2 Laser Welding Performance

Welding Depth (mm)	Laser Power (W)	Line Speed (m/min)
2.5	2000-2500	1.6
3	2000-2500	1.2

### Automation Features

Robotic Loading/Unloading, Auto Preheat Machine, Four-Station Auto Turn Plate, Auto Pressing Device