



## Description

Robot arm laser welding machine use 6-axis robot, Different welding surfaces of various dissimilar workpieces within the arm span can be welded, the robot shape is compact structure, each joint is installed with high-precision reducer, high-speed joint speed can be flexible in a narrow working space, It can be use for MIG/Laser welding, Laser/plasma/flame cutting, Laser cleaning, carry out handling, assembly and other operations, with flexible installation methods.

## Features

1. Suitable for various 3D surface welding;
2. Instantaneous energy laser welding, stable, small thermal deformation;
3. Ensure welding quality and high product consistency
4. Reduce labor participation and save labor costs
5. Effectively reduce welding consumables, save energy and protect environment.
6. Semi automatic or fully automatic fixture can be customized
7. After the data control system is equipped, the entire production process is intelligent and controllable, the capacity is visualized, and the production process can be improved at any time.

## Parameter

Model	RL -1000C	RL -1500C	RL -2000C	RL -3000C
Type of laser	Continuous fiber laser			
Rated output power	1000W	1500W	2000W	3000W
Laser central wavelength	1080±3 nm			
Length of welding cable	10M			
Type of welding torch	Single or double wobble industrial welding head			
Focal distance	F=150mm/F=400mm			
Laser beam point	Point, line, circular, square, figure 8			
Industrial 6-Axis Robot	ABB, Kawasaki, KUKA FANUC			
Working voltage	AC220V 1-phase			AC380V 3-phase
Power	<5 kw	<7 kw	<9.5kw	<12kw