

## Boom Type Laser Welding Machine



Model

Mold Laser Welding Machine with Arms

Price

Standard Configuration

1. A set of YAG lasers;
2. A set of laser power supplies;
3. A set of optical systems;
4. A set of movable and movable optical benches;
5. A set of liquid crystal display systems;
6. A set of refrigeration and water flow water temperature detection and protection systems;
7. One microscope;
8. A set of workbenches;
9. One industrial water chiller;
10. One electric boom;
11. A set of host cabinets.

**200W**

Delivery

Production time within 10-12 working days upon payment

|                     |   |
|---------------------|---|
| Payment             | T/T, L/C or Alibaba Trade Assurance online order payment  |
| Warranty            | 1 years   |
| After sales service | The machine free installation and fully test before send to the customers.<br>We provide test videos before delivery, after customer confirming, we will arrange shipment.<br>In case any problem about using, we will offer online professional technical support by whatsapp, sunloginclient remote software. Free training online or at our factory. |
| Shipping            | By sea, air or courier, we supply shipping cost according to your seaport, airport, or post   |

## Machine Feature, Description, Application

1. Adopt imported ceramic concentrating cavity, high reflectivity, strong energy, high temperature resistance, corrosion resistance and long service life;
- 2, equipped with 1.5P/3P special chiller, can meet the long-term, high-power welding stability;
2. The base of the workbench is electrically lifted and lowered. The workbench moves using precision ball screw and high-precision straight guide rail. It is light and flexible, with precise positioning and bearing capacity up to 200 kg.
- 4, the laser head can slide back and forth, manual lifting, the laser head can be easily rotated 180 degrees, convenient to repair any side;
- 5, remote control all-round control, 360 degree flexible adjustment of welding angle position, suitable for all kinds of mold welding, for large molds, you can use the workbench, directly on the ground or forklift for mold welding, you can repair the welding radius of 1.5 meters, the weight of the number Tons of large molds and equipment The spare pulley is convenient to move, and can be moved directly to the injection molding machine to directly repair the welding without removing the mold;
- 6, the welding depth is large, the welding is more firm, the welded part can be fully melted without pores and trachoma, and the repair marks are neat and beautiful.

## Technical specification

| Model                              | CS-200W                             | CS-400W     |
|------------------------------------|-------------------------------------|-------------|
| Rated Laser Power                  | 200W                                | 400W        |
| Condenser reflector                | Imported ceramic condenser          |             |
| The laser frequency                | 1-20Hz                              |             |
| The pulse width                    | 0.1-10Ms                            |             |
| Spot adjustment range              | 0.3-2mm                             |             |
| Aimed at positioning               | Microscope (optional camera system) |             |
| Cold power of cold water mechanism | 1.5P for 200w                       | 3P for 400w |

|                               |      |                              |       |
|-------------------------------|------|------------------------------|-------|
| The engine power              |      | 8KW                          |       |
| Demand for electricity        |      | 220V±5V 50Hz    380V±5V 50Hz |       |
| Table size                    |      | 45x35cm                      |       |
| bearing capacity of table     |      | 200kg                        |       |
| The table XYZ travel distance |      | X120mm—Y 80mm—Z180mm         |       |
| The arm XYZ travel distance   |      | X 80mm-Y 80mm- Z 600mm       |       |
| Packing size /Gross weight    | 400W | machine:144x62x135cm         | 201kg |
|                               |      | arm: 89x89x185cm             | 200kg |
|                               |      | chiller: 94x66x136cm         | 148kg |
|                               | 200W | Machine: 1440*620*1350mm     | 201kg |
|                               |      | Arm: 890*890*1850mm          | 200kg |
|                               |      | Chiller: 740*550*1090mm      | 95kg  |

**Standard Configuration of The Equipment**

**Control button:**  
Start key switch  
Emergency switch



**HD microscope :**  
Parallel light path HD microscope, adjustable binocular pupil distance, steerable observation,



**Foot Pedal:**  
It is used to start welding



**Advanced controller  
Touch screen:**  
Support multi language

We can change Current, spot processing  
parameter freely according to welding position.



**Electric lifting arm :**

Adjust welding Angle and position flexibly,  
For large molds, molds can be welded directly  
on the ground or forklift without working table.



**Machine connections :**

- Power cable
- Chiller
- Foot switch
- Gas



**humanized worktable :**

It can be moved front and back, left and right manually. It can be moved up or down electric.



**Industrial water chiller:**

High configuration digital display water chiller,  
Good cooling effect, good heat dissipation



**Laser Welding Machine Photos and Package**

