HiSpeed
LASER SYSTEM

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Home / Laser Welding Machine

Mini Jewelry Laser Welding Machine

Jewelry laser welding machine adopts ergonomic design, suitable for professional appearance design of jewelry laser welding industry, equipped with a dedicated cross cursor microscope observation system, equipped with high-speed electronic filter device, which can protect the eyes of the operator.

The high-power beam expansion system can obtain more fine spots to meet the needs of fine laser spot welding; the whole machine is small in size, convenient to carry and transport, simple to operate, good welding effect, stable and reliable equipment, and low failure rate.
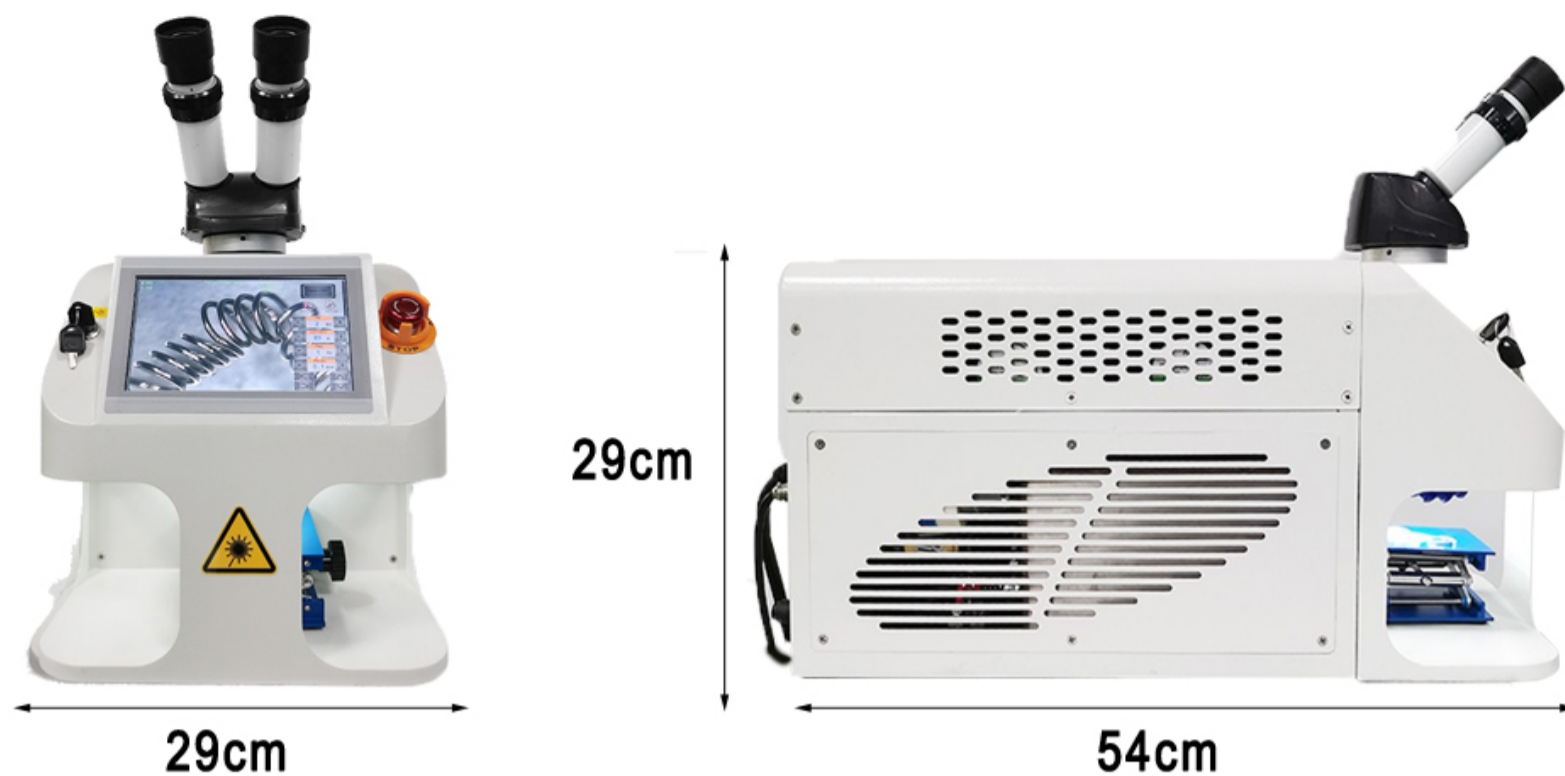
Inquiry Price!

Description

1. Complete machine ergonomic design further fits jewelry industry of which the products are meticulous and artistic and property is stable and it also meets the needs of long time continuous operation.

2. Equipped with a dedicated cross cursor microscope observation system, equipped with high-speed electronic filter device, which can protect the eyes of the operator.

3. Large inner space is convenient for setting out of tools and fixtures.

4. Electric focusing device is equipped in working region and laser parameters are applied to adjusting lights for renewal of dust screen ,clearing of working region and recovery of welding dust.

5.Observation of welding positions is clearer by using adjustable high brightness of LED ring astral lamp and German brand Microscope .

6. More meticulous light points meets requirements of more meticulous welding.

Microscope

CCD &touch screen

Power switch

Small lifting platform

Main features:

1. Whole machine adopted ergonomics design. It can better meet jewelry industry's requirements on precision, beautiful, stable performance, long time and constant processing.

2. Big inner space, it is convenient for placing tools and fixtures.

3. It is equipped with electric focusing mechanism, digital scale reading display, regulating switch for laser parameters, it operates more smoothly.

4. It is easy to replace dust screen, clean working area and recycle welding slag.

5. With the LED ring-shaped astral lamp which can be highlighted and microscope imported from Germany, the observation on welding position is much clearer.

6. More precise light spot, it meets the requirement of precision welding.

Configuration List

Item Name	Specification &parameters
Laser Type	Pulse
Laser waveLength	1080nm
Laser Power	60W
Laser Source	Fiber Laser
pulse Width	0.1—10ms
Frequency	0.5Hz
Spot Size Adjustable	0.2-0.8mm
Positioning way	reticle
Visual system	Microscope&CCD
Cooling method	Air Cooling
Single Pluse Maixmum Engergy	6J
Weight	40KG
machine size	54(L) x 29(W) x 29(H) cm

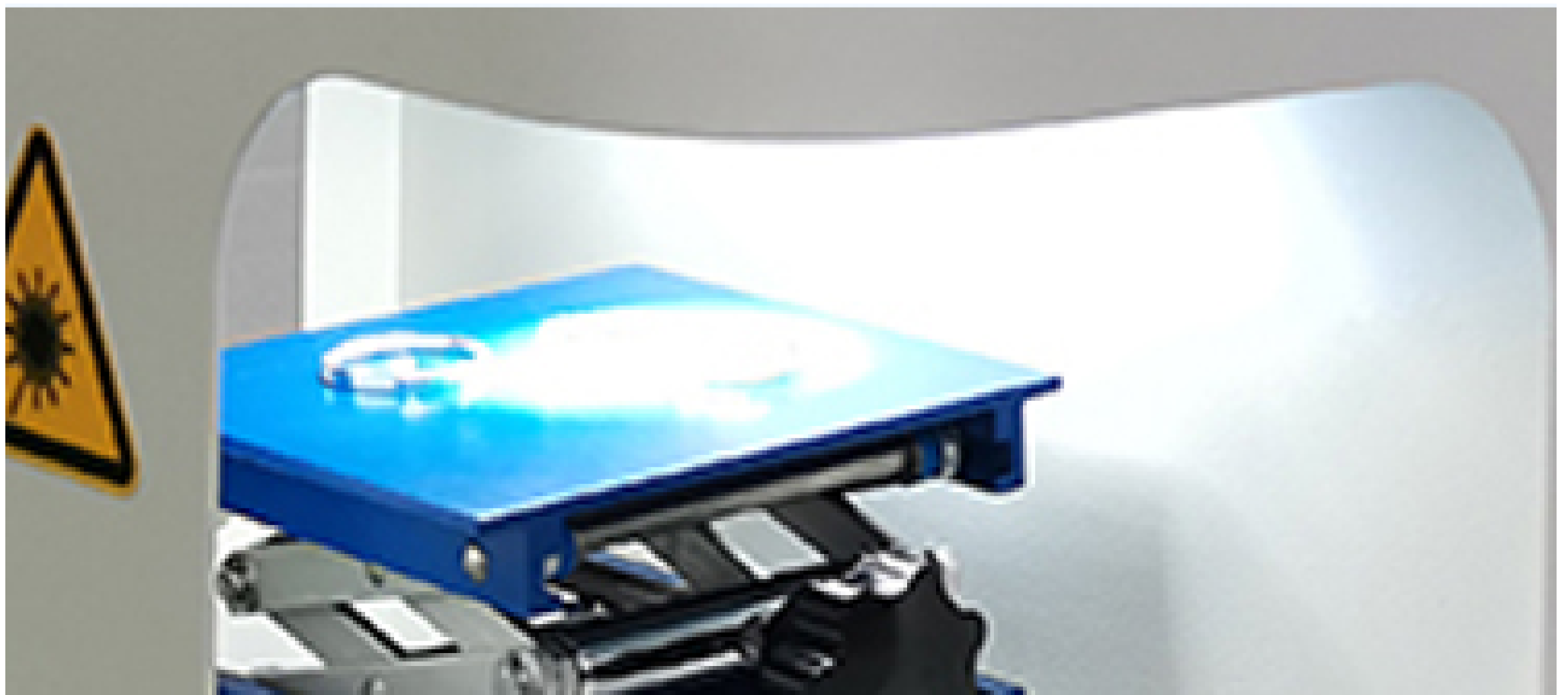## Specification of gold soldering machine jewelry laser welding:

Microscope

Binocular microscope, ergonomic,optical; Long-term observation of human eyes is not easy to fatigue.

Touch screen HD CCD Monitor

One screen can realize welding parameter adjustment,spot positioning, effect observation,
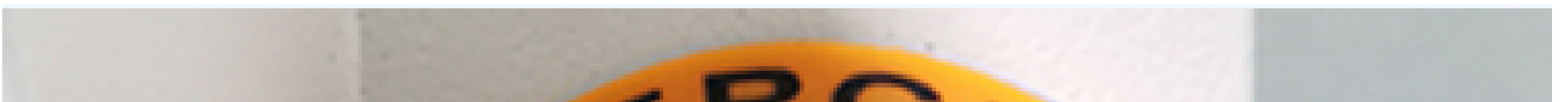
easy operation,intuitive observation.

Operation Window

Double open window, 100X100 lifting platform, adjustable light to determine focus

Laser On

After the laser is activated, can start the laser welding job

Stop Button

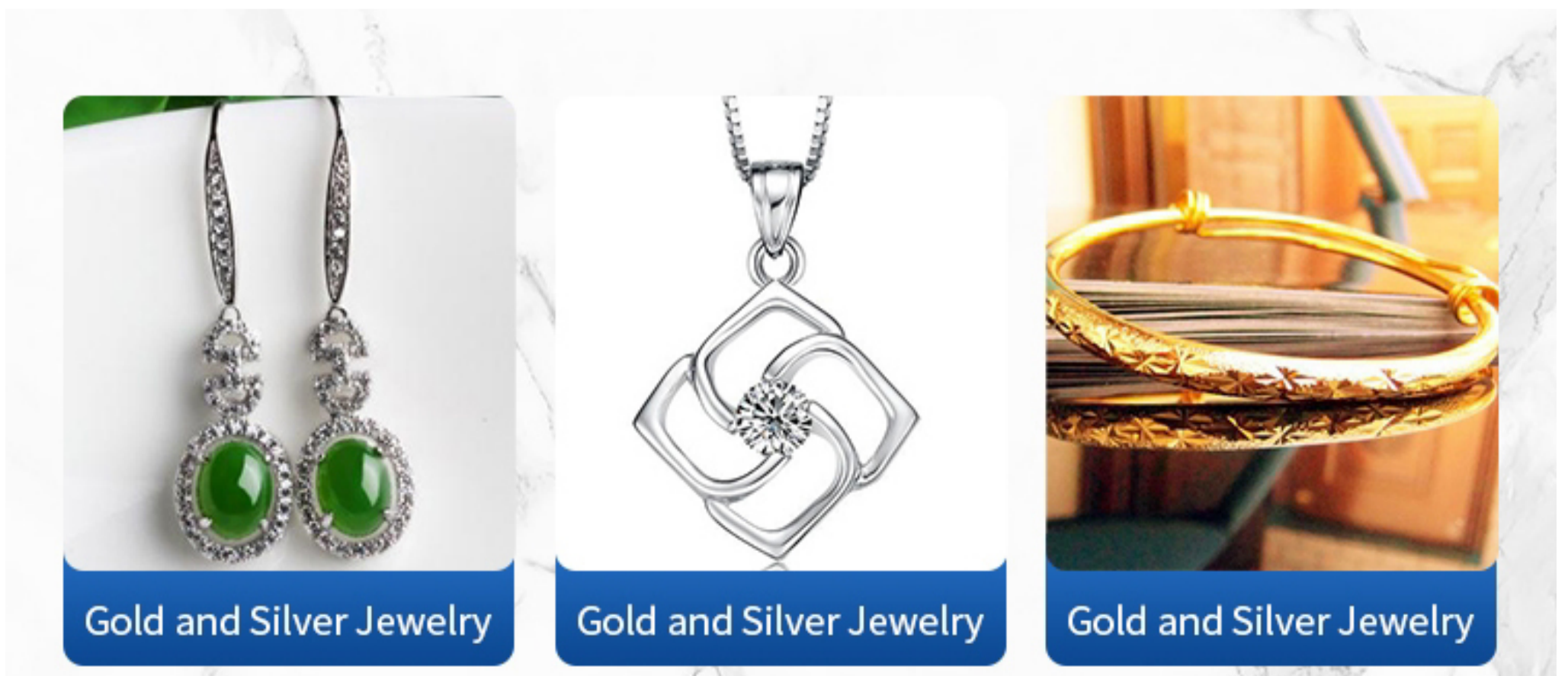With Protective Metalswitch, Scientificand Beautiful

Boot Keys

Simple and Convenient

Application:

This laser welder machine can be used to repair and weld all kinds of metals and alloys, spot weld lines, splicing, embedded troops, jump ring. It can weld perfect a lof of materials such as stainless steel, copper, gold, silver, platinum, platinum, stainless steel ,cooper ,aluminum etc

Gold and Silver Jewelry   Gold and Silver Jewelry   Gold and Silver Jewelry

Spot welding of hardware

Spot welding of hardware

Spot welding of hardware

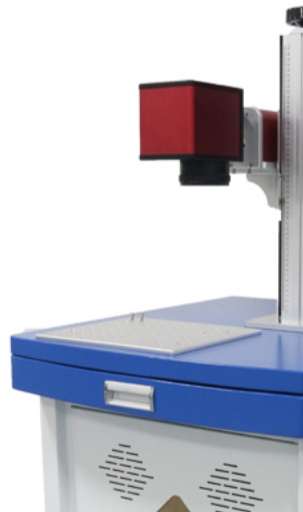Experimental process verification

Experimental process verification

Experimental process verification

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