

Laser Welder

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www.superbmelt.com



LASER WELDER

superbmelt

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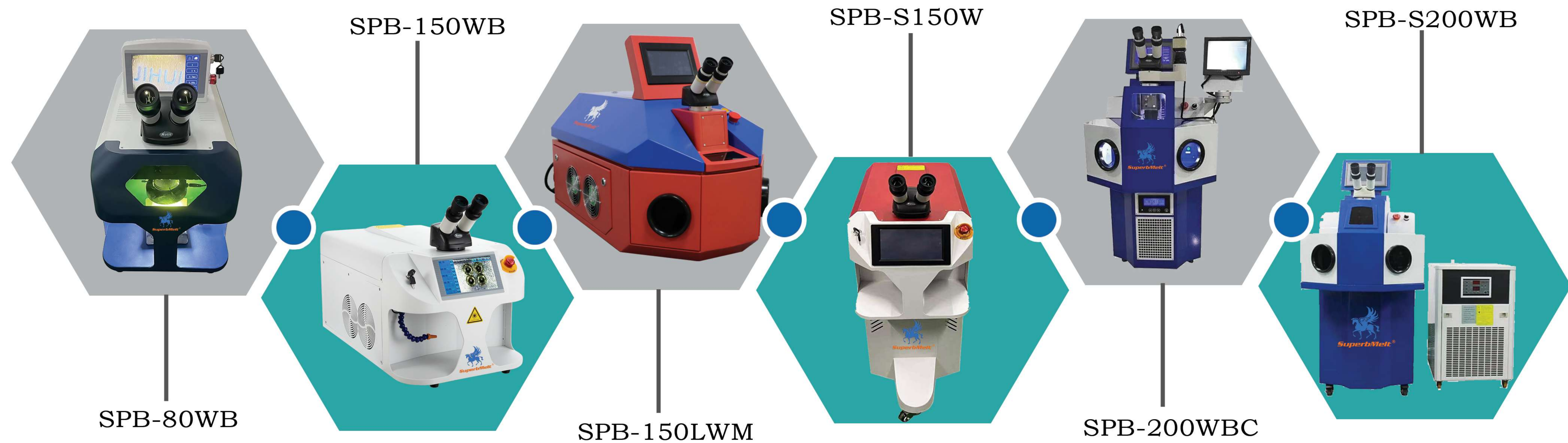
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Superb ElectromachineryCo..Limited

Laser Welder

Laser Welder is developed for hole patching, spot welding, inlay parts and claw feet welding of gold and silver jewelry.



Product feature

- | | |
|--|---|
| <ul style="list-style-type: none"> ● 24 hours continuous operation
Using laser power supply, spot welding effect is round, pollution-free, efficient and environmentally friendly | <ul style="list-style-type: none"> ● Lasts for 10 years
The components are of international brands, and the service life can reach more than 10 years. |
| <ul style="list-style-type: none"> ● Advanced design
Using the most advanced automatic shading system, long hours of work without fatigue. | <ul style="list-style-type: none"> ● Multi-Language Support
Accept the customization of various languages, making the operation easier to use, tell sales the language you need. |



WELDABLE MATERIAL

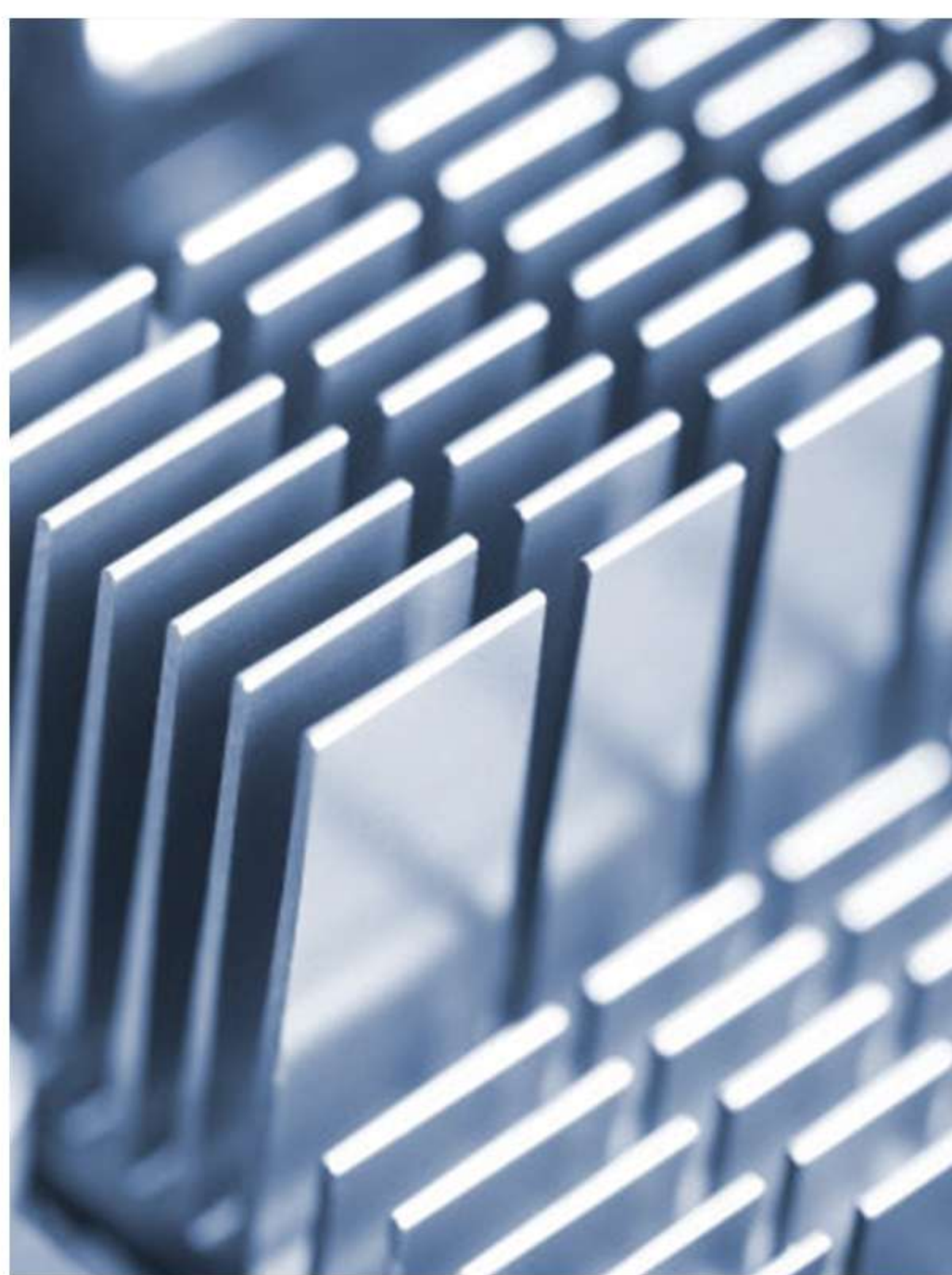
Laser welding machine is a very common welding equipment, it is mainly the use of high energy laser pulse on the local heating of the material, laser radiation laser welding machine with fast welding speed, high precision, high efficiency, weld smooth appearance and other advantages become the emerging industrial technology in industrial welding processing. Laser welding machine is very widely used, laser welding machine can weld those materials



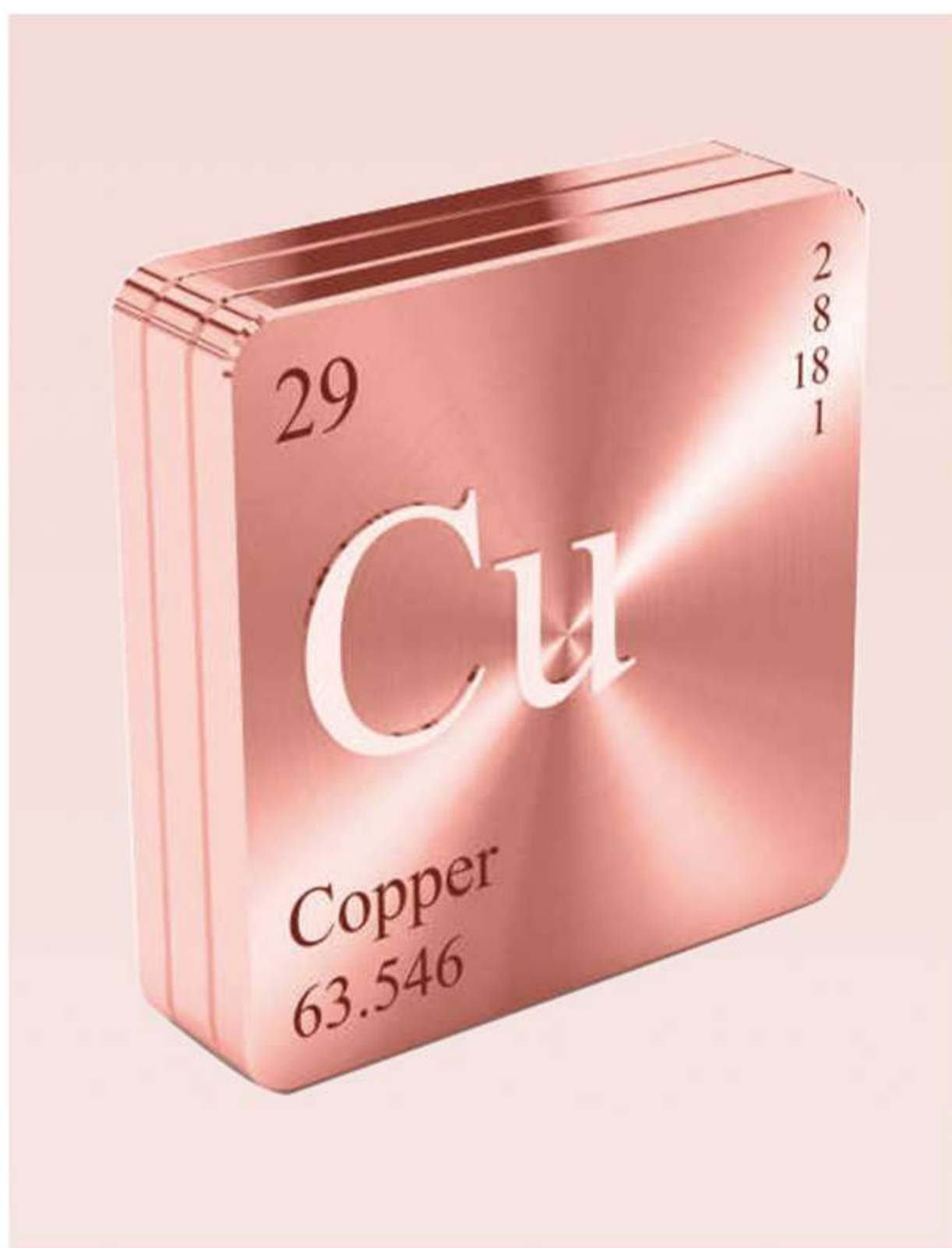
Gold



Silver



aluminum and aluminum alloy



Copper and copper alloys

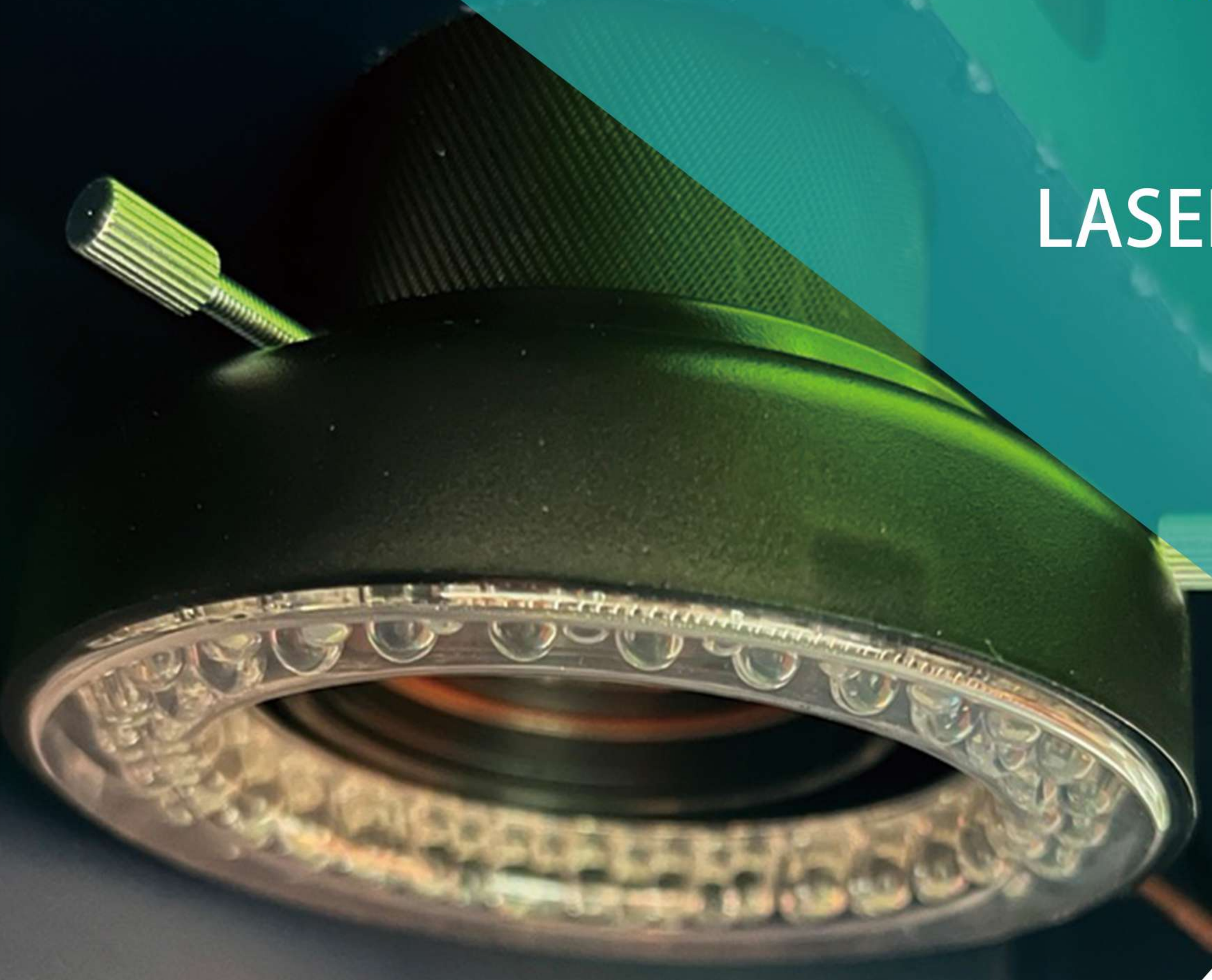


plastic



Die steel and alloy steel

LASER WELDER



Laser welding machine mainly uses high energy laser pulse to heat the local part of the material. The energy of laser radiation diffuses to the inside of the material through heat conduction, and melts the material to form a characteristic molten pool to achieve the purpose of welding.



Applicable Industry

01 Jewelry

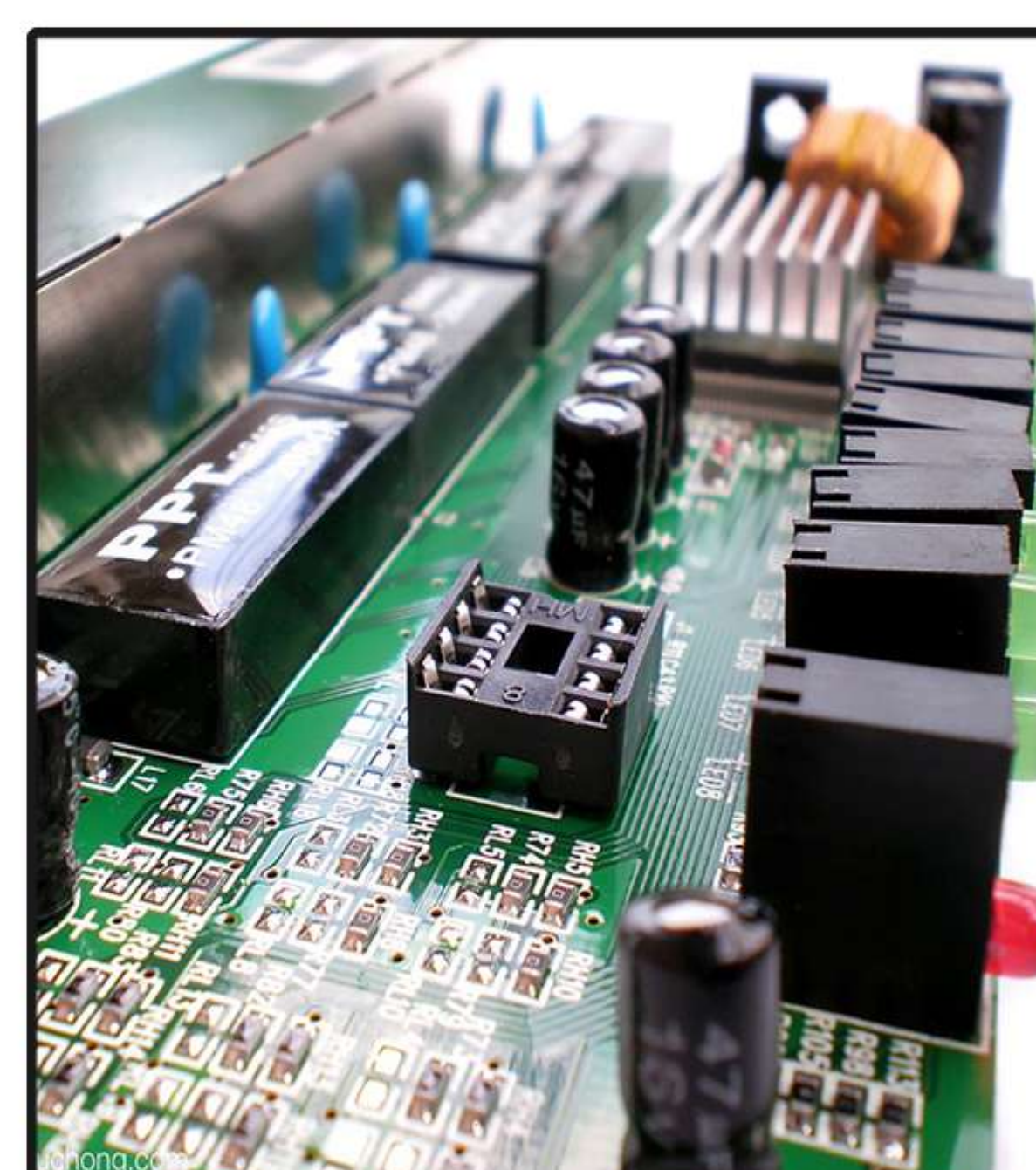
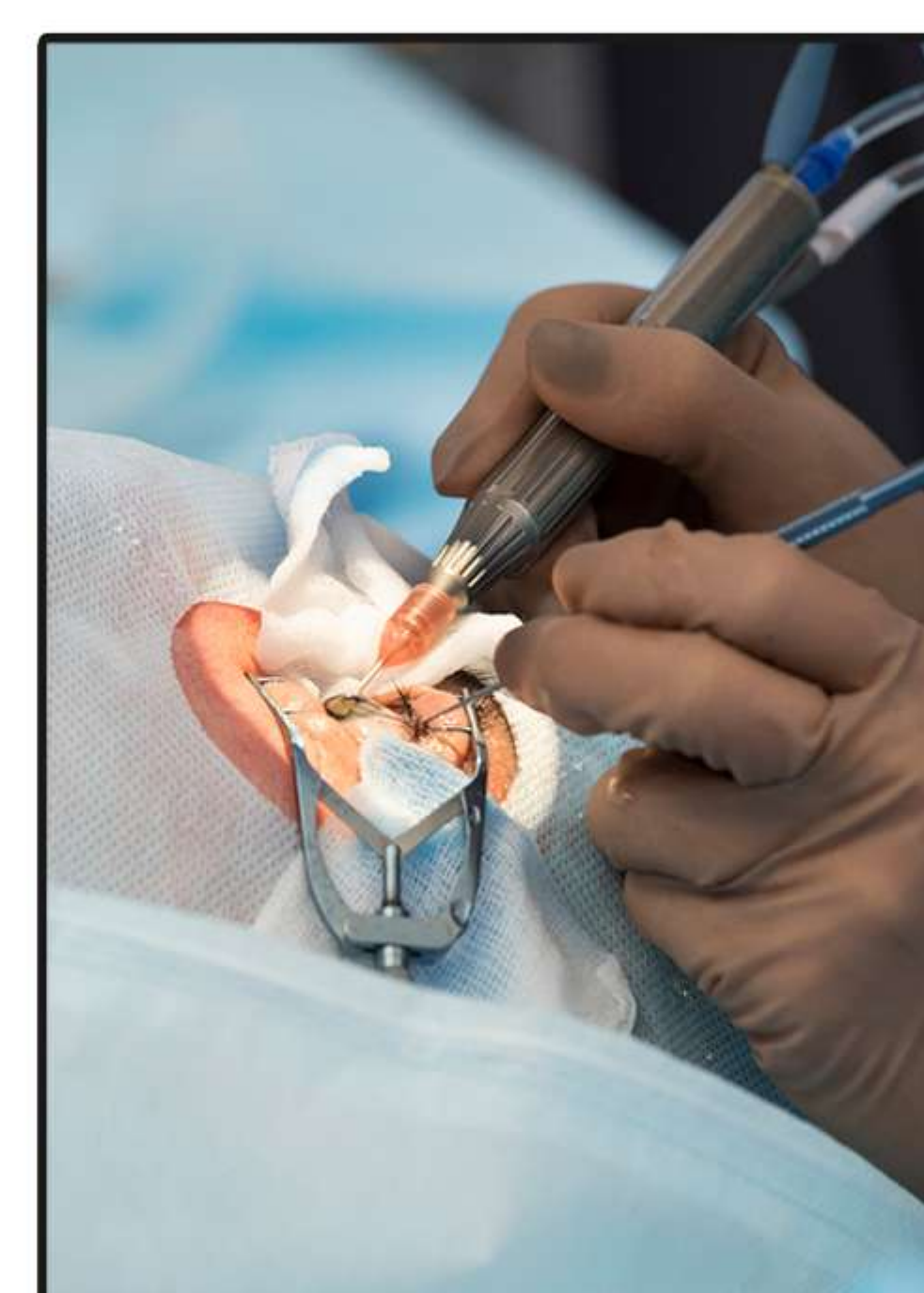
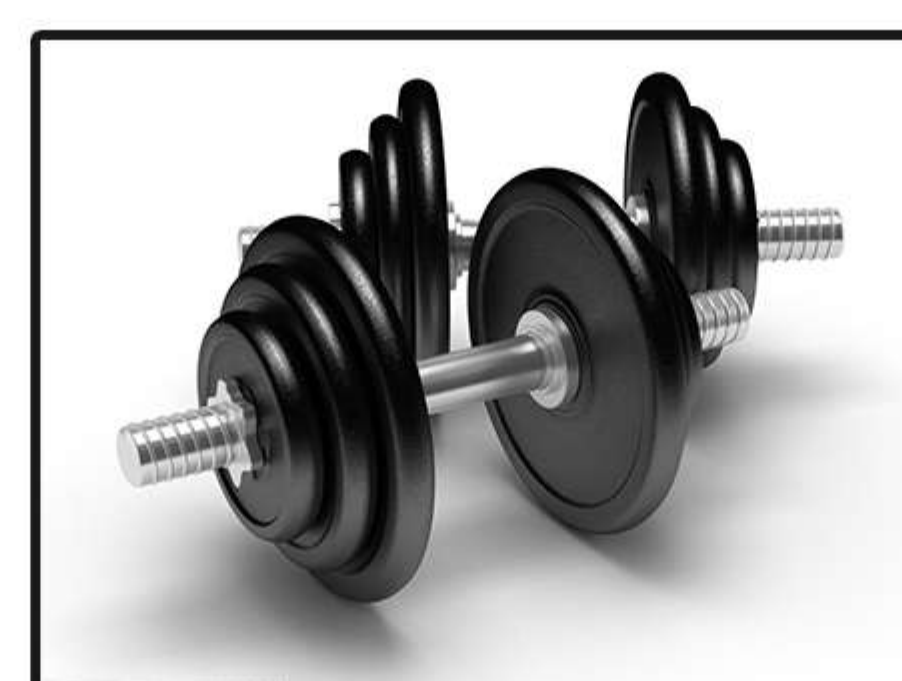
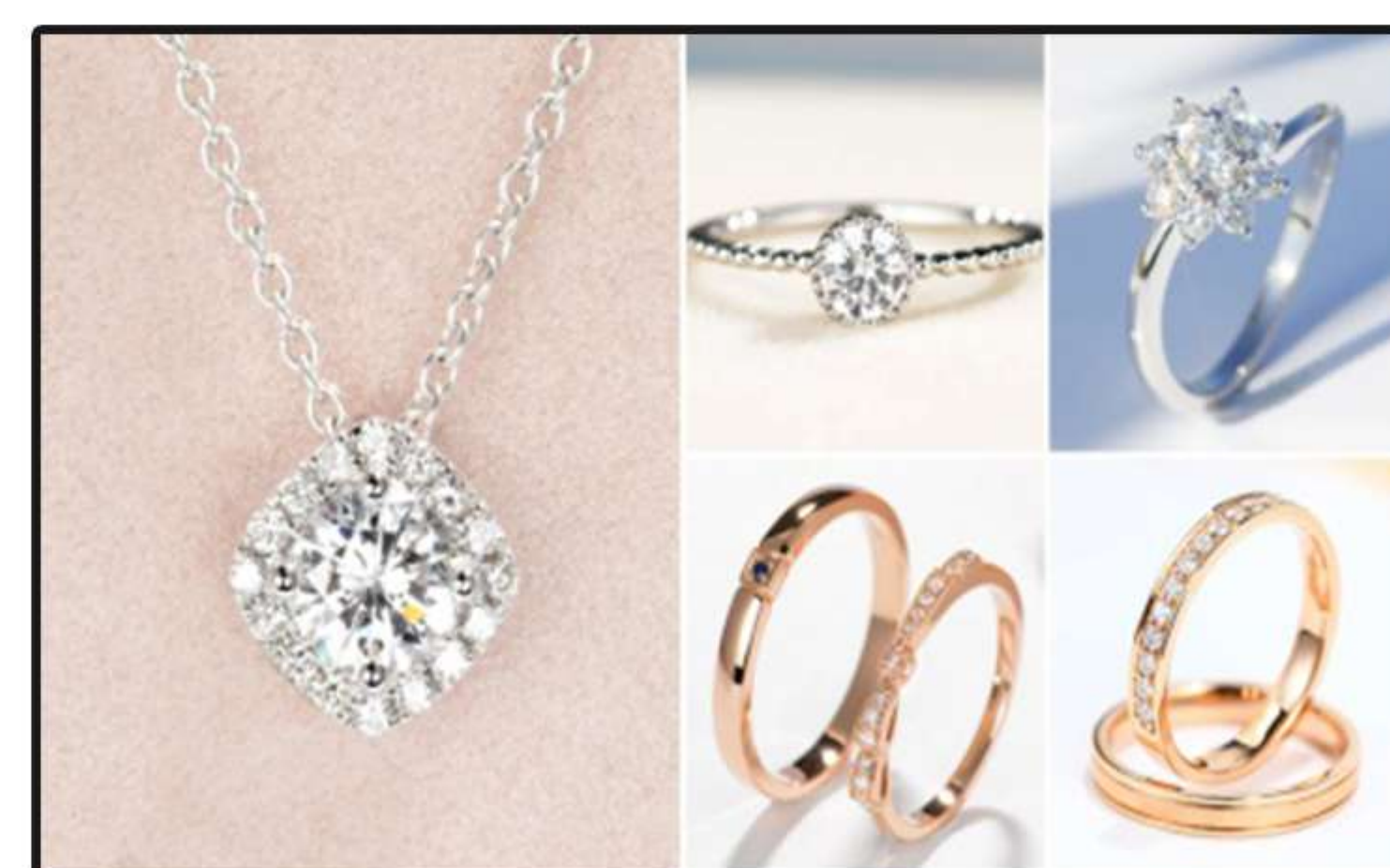
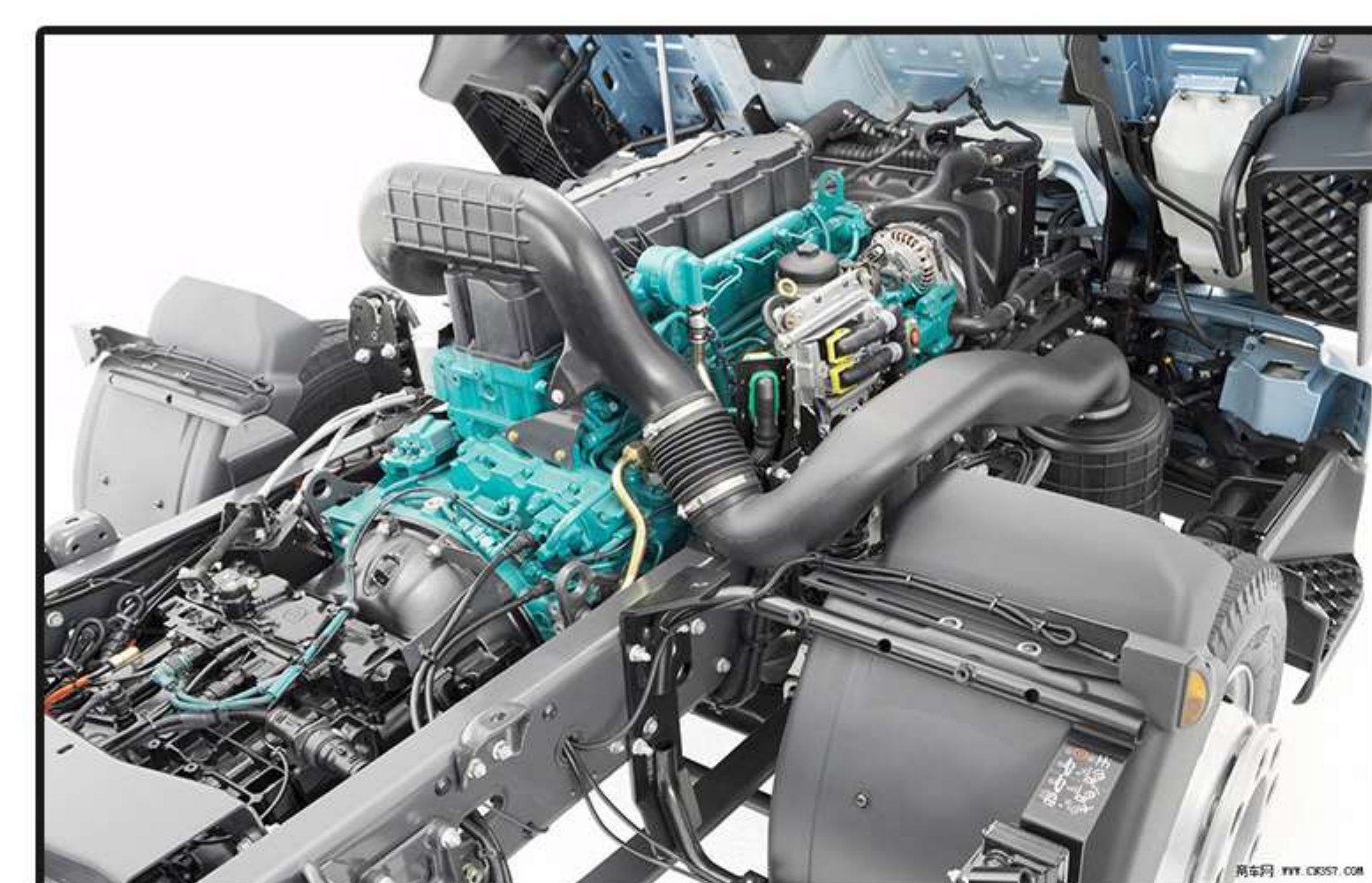
02 Aviation Aerospace

03 Electronics Machining

04 Medical equipment

05 Sporting goods

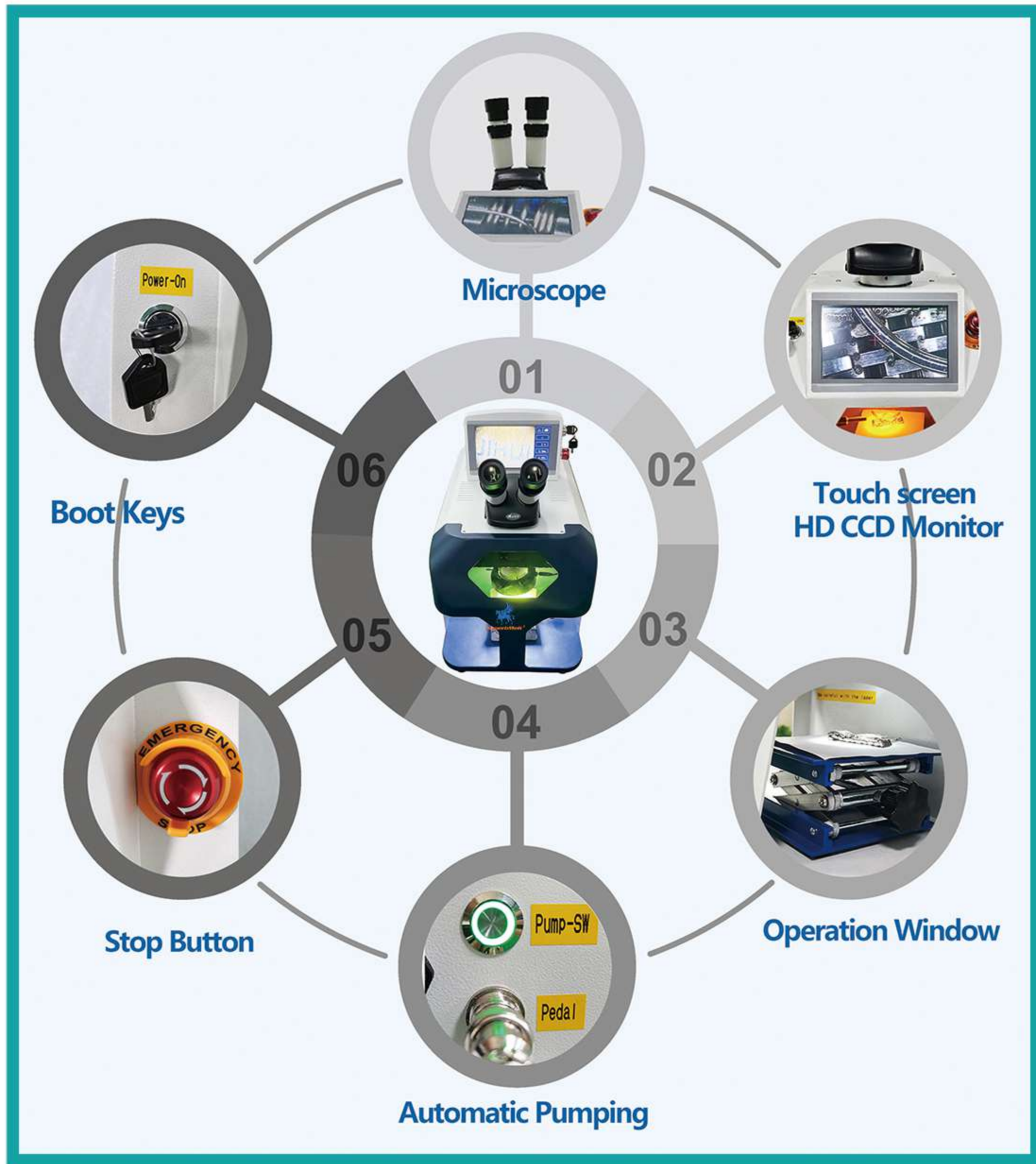
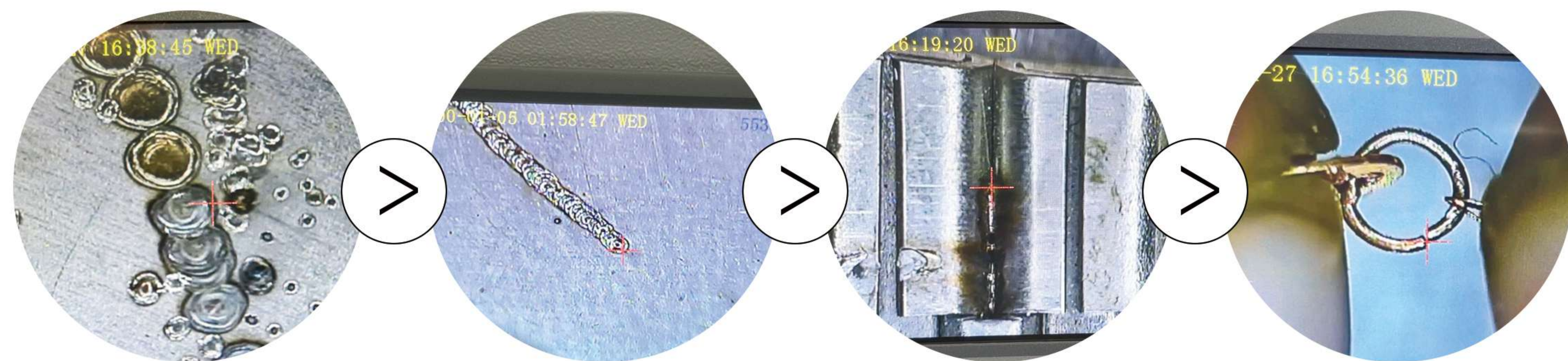
06 Automotive





Our Advantages

The superbmelt jewelry laser spot welder is widely used in the welding of the following products: electrical components, batteries, electrodes, weld socket connectors, motor covers, connecting lines, integrated circuits, clocks, small stamping parts and castings, and jewelry.

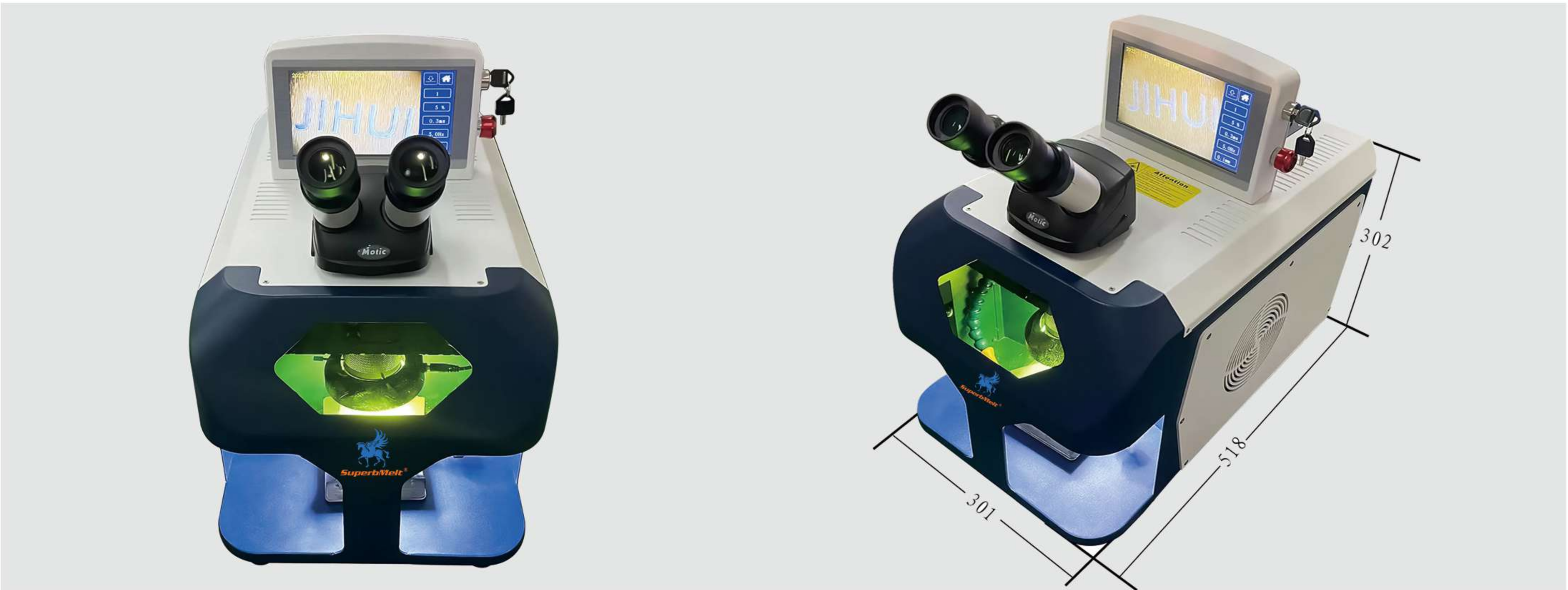


The laser welder can be used to weld the following non-metal and metal parts:

- Gold jewelry repair laser welding
- Electronic components laser welding
- Lithium battery laser welding
- Mobile phone parts laser welding
- Precision connector laser welding

SPB-80WB Mini Laser Welder

80w 45J Laser welders mini jewelry laser welding machine for gold silver jewelry laser welding machine.



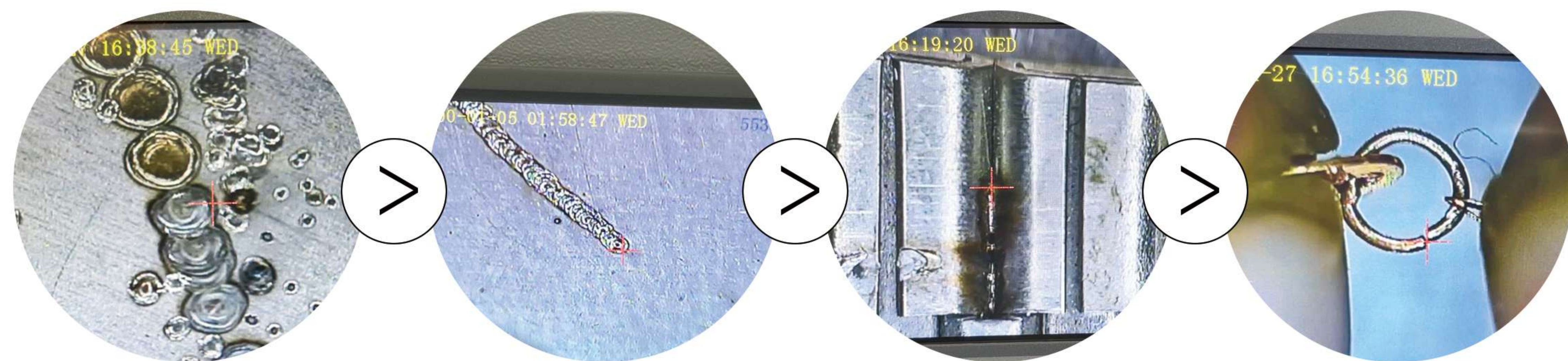
Product Parameters

Model No.	SPB-80WB
Wavelength	1064nm
Pump Source	Single Lamp
Pulse Width	0.1-15ms
Pulse Frequency	≤10Hz
Aiming and Positioning	Microscope + Camera System
Cooling System	AC220V±5%/60Hz
Electricity Demand	Air Cooling
Weight	32KG
Dimensions	L:510mm*W:295mm*H:420mm



Our Advantages

The superbmelt jewelry laser spot welder is widely used in the welding of the following products: electrical components, batteries, electrodes, weld socket connectors, motor covers, connecting lines, integrated circuits, clocks, small stamping parts and castings, and jewelry.



The laser welder can be used to weld the following non-metal and metal parts:

- ◆ Gold jewelry repair laser welding
- ◆ Electronic components laser welding
- ◆ Lithium battery laser welding
- ◆ Mobile phone parts laser welding
- ◆ Precision connector laser welding

SPB-150WB Mini Laser Welder

150w 80J Laser welders mini jewelry laser welding machine for gold silver jewelry laser welding machine.



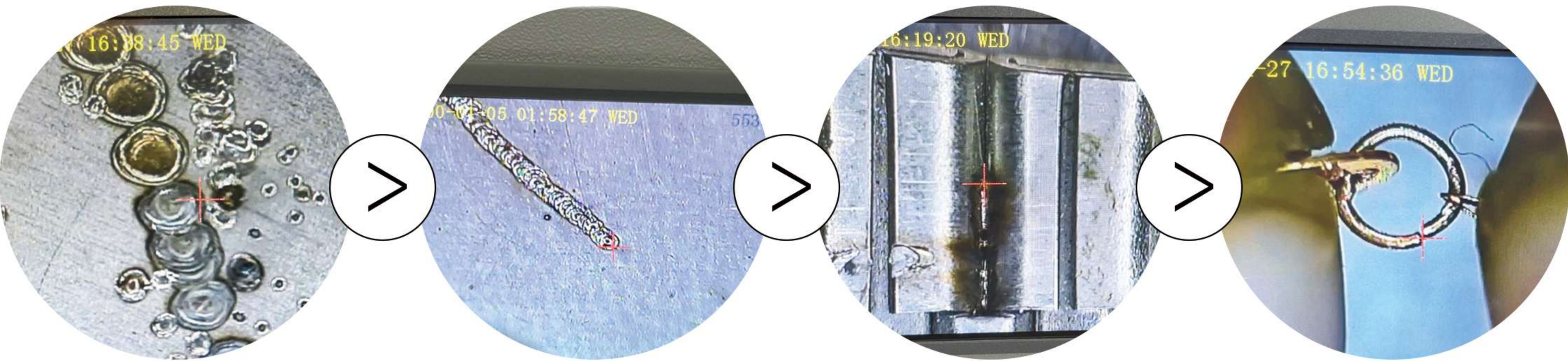
Product Parameters

Model No.	SPB-150WB
Wavelength	1064nm
Pump Source	Single Lamp
Pulse Width	0.1-20ms
Pulse Frequency	≤50Hz
Aiming and Positioning	Microscope + Camera System
Cooling System	AC220V±5%/50Hz
Electricity Demand	Built-in Water + Air Cooling
Weight	61kg
Dimensions	L:765mm*W:490mm*H:560mm

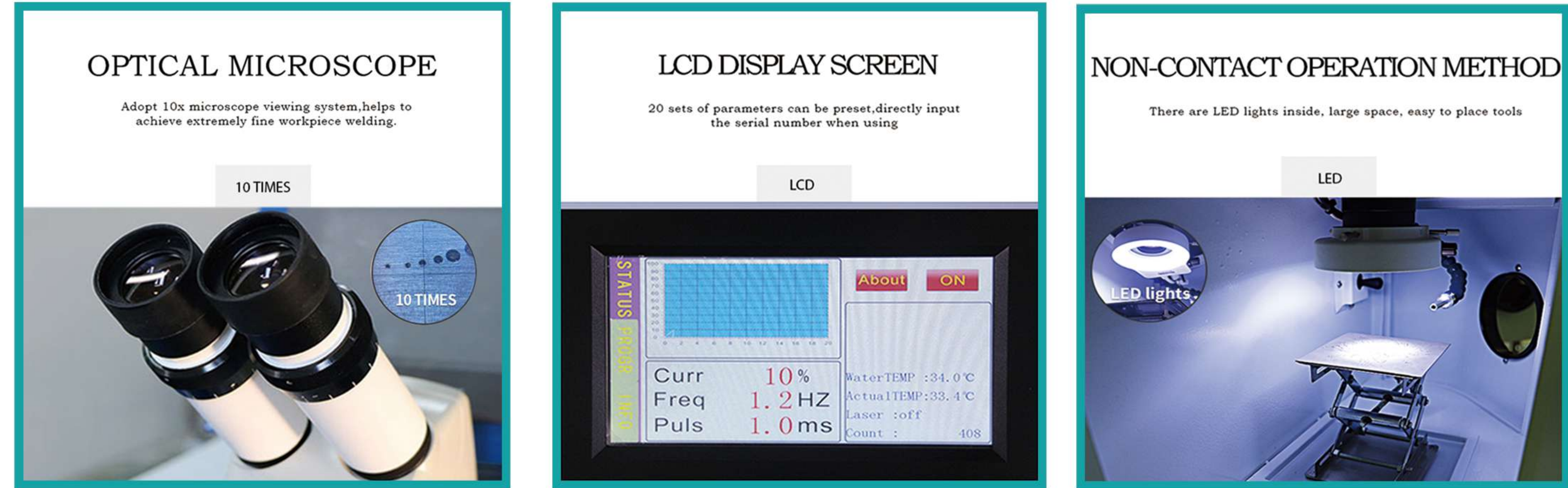


Our Advantages

Superbmelt desktop jewelry laser welding machine is ideal for a wide range of metal joining and repair applications in the jewelry industry. The system’ s compact, portable, space-saving design, coupled with top laser well-known reputation for high quality, efficient laser sources, make the Superbmelt laser welding machine an excellent value.



- (A) Easy to use. High level of automation and simple welding process
- (B) Extremely high work efficiency. Beautiful finished products, small welding seams, large welding depth and high welding quality
- (C) Non-contact operation method. Can meet the requirements of cleanliness and environmental protection.



SPB-150LWM Mini Laser Welder

It is mainly used or repair and designing jewelries because it leverages a precise heat transfer, something you might not find with other applications. This trend has also been seen in modern classroom where teachers use laser welders to mold the next generation of jewelry craftsmen.



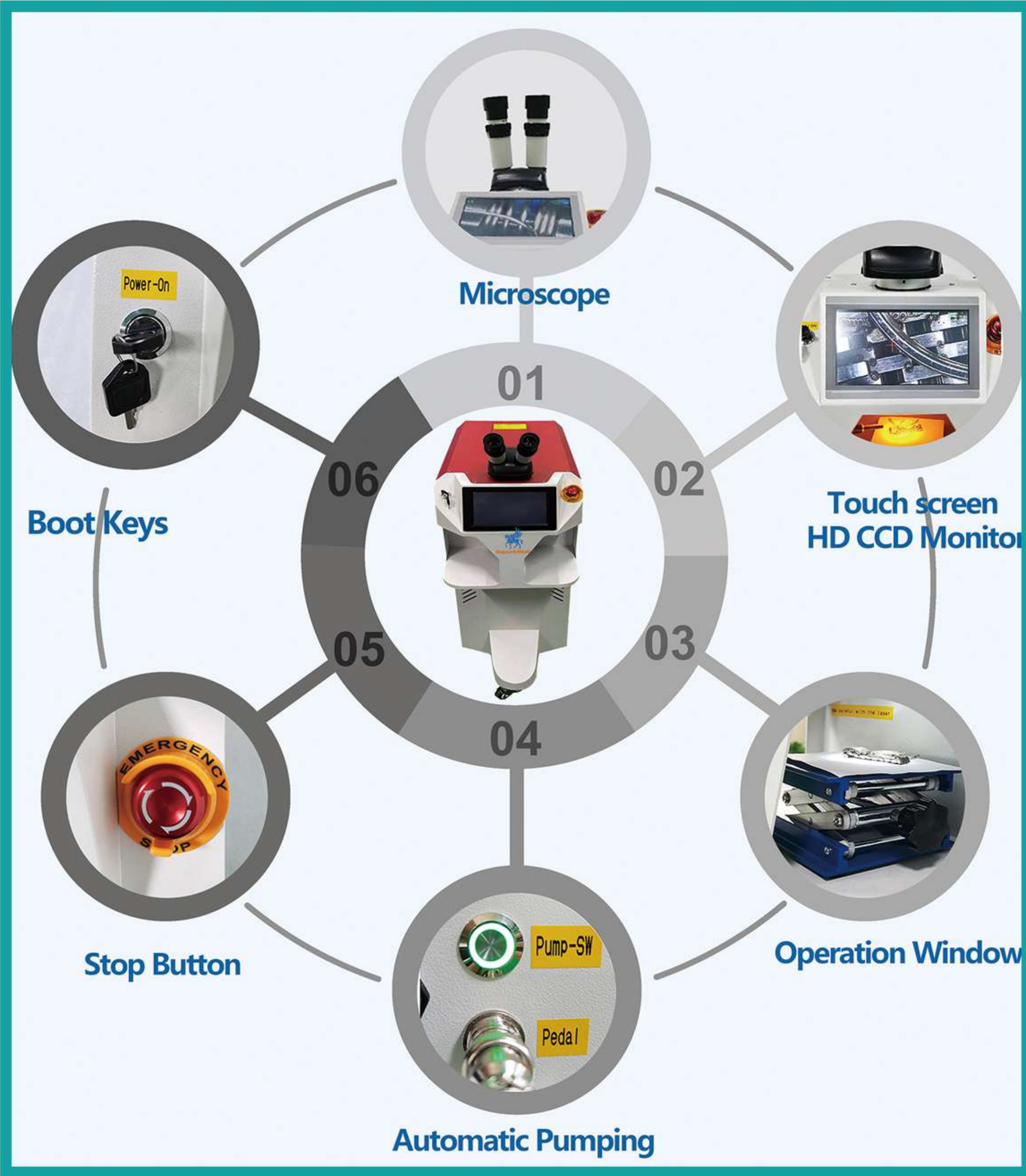
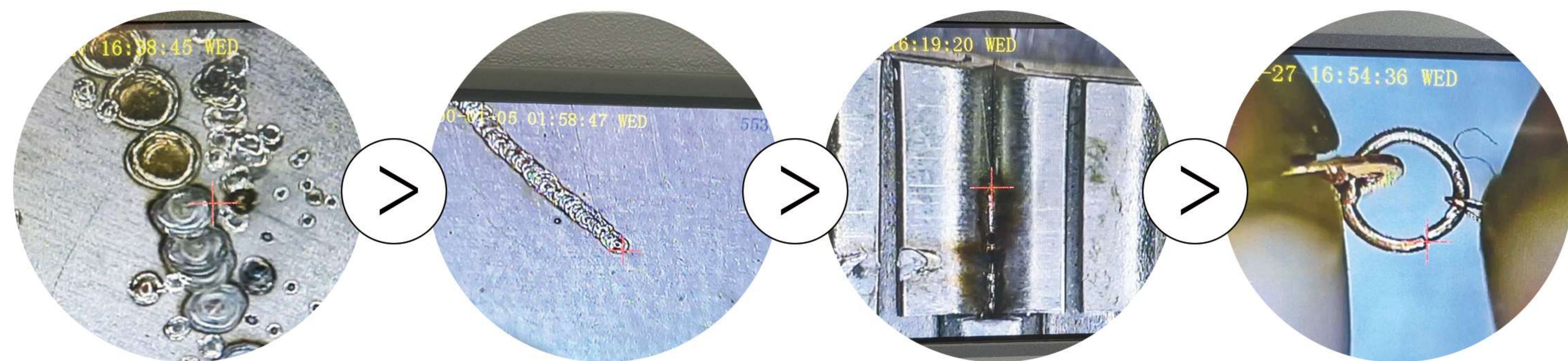
Product Paramenters

Model No.	SPB-150LWM
Wavelength	1064nm
Pump Source	Single Lamp
Pulse Width	0.1-20ms
Pulse Frequency	≤50Hz
Aiming and Positioning	Microscope
Cooling System	AC220V±5%/50Hz
Electricity Demand	Built-in Water + Air Cooling
Weight	129kg
Dimensions	L:1050mm*W:590mm*H:770mm



Our Advantages

The superbmelt jewelry laser spot welder is widely used in the welding of the following products: electrical components, batteries, electrodes, weld socket connectors, motor covers, connecting lines, integrated circuits, clocks, small stamping parts and castings, and jewelry.



The laser welder can be used to weld the following non-metal and metal parts:

- Gold jewelry repair laser welding
- Electronic components laser welding
- Lithium battery laser welding
- Mobile phone parts laser welding
- Precision connector laser welding

SPB-S150W Laser Welder

150w 80J Laser welders mini jewelry laser welding machine for gold silver jewelry laser welding machine.



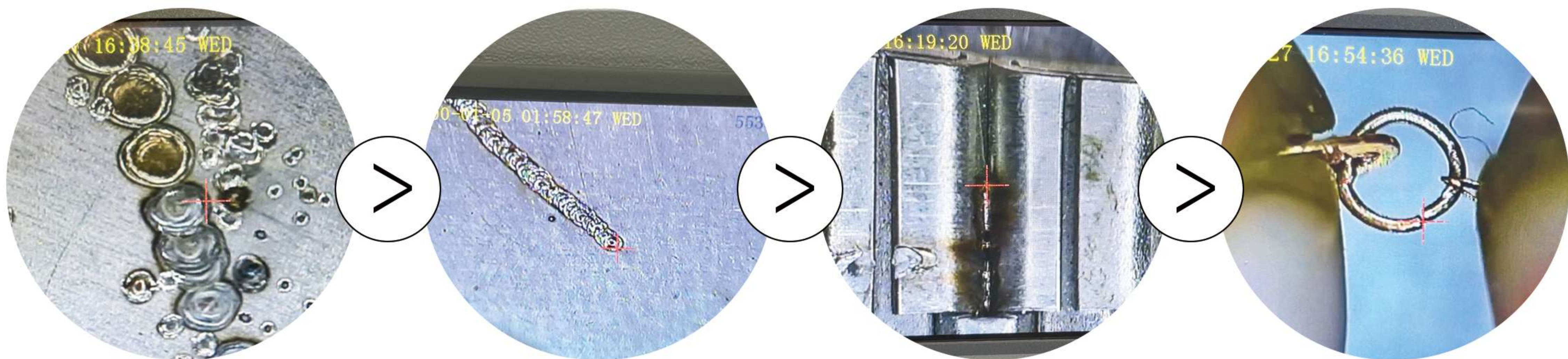
Product Parameters

Model No.	SPB-S150W
Wavelength	1064nm
Pump Source	Single Lamp
Pulse Width	0.1-20ms
Pulse Frequency	≤50Hz
Aiming and Positioning	Microscope
Cooling System	AC220V±5%/60Hz
Electricity Demand	Built-in water cooling
Weight	65KG
Dimensions	L:880mm*W:600mm*H:1100mm



Our Advantages

The use of British imported ceramic concentrating cavity, corrosion resistance, high temperature resistance, high photoelectric conversion efficiency, concentrating cavity life (8-10 years), xenon lamp life more than 10 million times.



The whole machine is ergonomically designed, which is more suitable for the jewelry industry. The products are fine, beautiful, and stable in performance, suitable for long-term continuous work.

- Continuous working ability
- CCD monitorable system
- LED ring shadowless lamp

SPB-200WBC Laser Welder

The internal space is large, which is convenient for the placement of laser spot welding tools and fixtures; a welding dust recovery box is installed, which is convenient for cleaning and gold welding slag recovery.



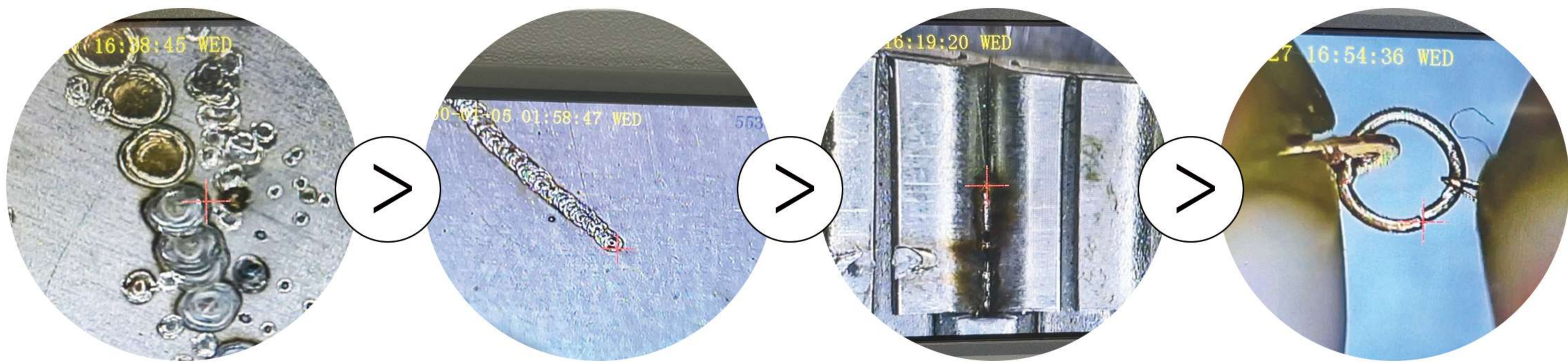
Product Parameters

Model No.	SPB-200WBC
Wavelength	1064nm
Pump Source	Single Lamp
Pulse Width	0.1-20ms
Pulse Frequency	≤50Hz
Aiming and Positioning	Microscope + Camera System
Cooling System	AC220V±5%/50Hz
Electricity Demand	Built-in Water + Air Cooling
Weight	178KG
Dimensions	L:1050mm*W:620mm*H:1250mm



Our Advantages

The use of British imported ceramic concentrating cavity, corrosion resistance, high temperature resistance, high photoelectric conversion efficiency, concentrating cavity life (8-10 years), xenon lamp life more than 10 million times.



This type of welding machine is particularly popular in the dental and jewellery industry because it provides aesthetic welding.

- Easy to use
- High level of automation
- Environmentally safe

SPB-S200WB Laser Welder

The laser welding machine is suitable for welding the same metal types, different metal types and also broken jewellery items. It is particularly suitable for welding small parts.



Product Parameters

Model No.	SPB-S200WB
Wavelength	1064nm
Pump Source	Single Lamp
Pulse Width	0.1-20ms
Pulse Frequency	≤50Hz
Aiming and Positioning	Microscope
Cooling System	AC220V±5%/50Hz
Electricity Demand	Water + Air Cooling
Weight	218kg
Dimensions	L:1050mm*W: 620mm*H:1250mm Water Tank L:620*W:480*H:710mm