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Handheld Fiber Laser Welding Machine

iGWL series laser welding machine is the new generation of safe, high efficiency, energy saving, environment-friendly metal laser welding equipment, using handheld swing welding head, infrared ray positioning, touch screen and button control, combined with the advanced integrated control system, the precision CNC fiber laser welding machine is assembled. The heating area is small during welding, and it will not cause deformation, blackening, and traces on the back of the workpiece.

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Machine Introduction

Handheld Laser Welder Descriptions :

Handheld Laser Welder features 1000W, 1500W, or 2000W fiber laser beam for welding joints of butt, edge, corner, tee, and lap. The portable handheld fiber laser welding machine will take over the traditional argon arc welding, MIG & TIG welding, and electric welding for metal joints.





iGWL SERIES Hand-held Laser Welding Machine

1000W - 3000W optional



- Non-contact welding
- Flexible welding
- Strong welding penetration
- Simple operation, long service life

Hand Held Fiber Laser Welder Advantages:

- ★ Pure hand-held laser welding machine is a hand-held welding head, which connects the optical fiber to the hand-held welding head, and then realizes various welding of products.
- ★ The advantage of the handheld laser welding machine is that for products with larger specifications and longer welding lengths, such as sinks and stainless steel kitchen cabinets, they can be welded without placing these products on the workbench.
- ★ The welding is flexible and easy to operate. In addition to repairing large molds, large machines can also achieve long-distance welding, which can be welded without disassembling the product.
- ★ It has the advantages of simple operation, beautiful welding seam, fast welding speed, and no consumables. It can perfectly replace traditional argon arc welding, electric welding and other processes for welding thin stainless steel plates, iron plates, galvanized plates and other metal materials.



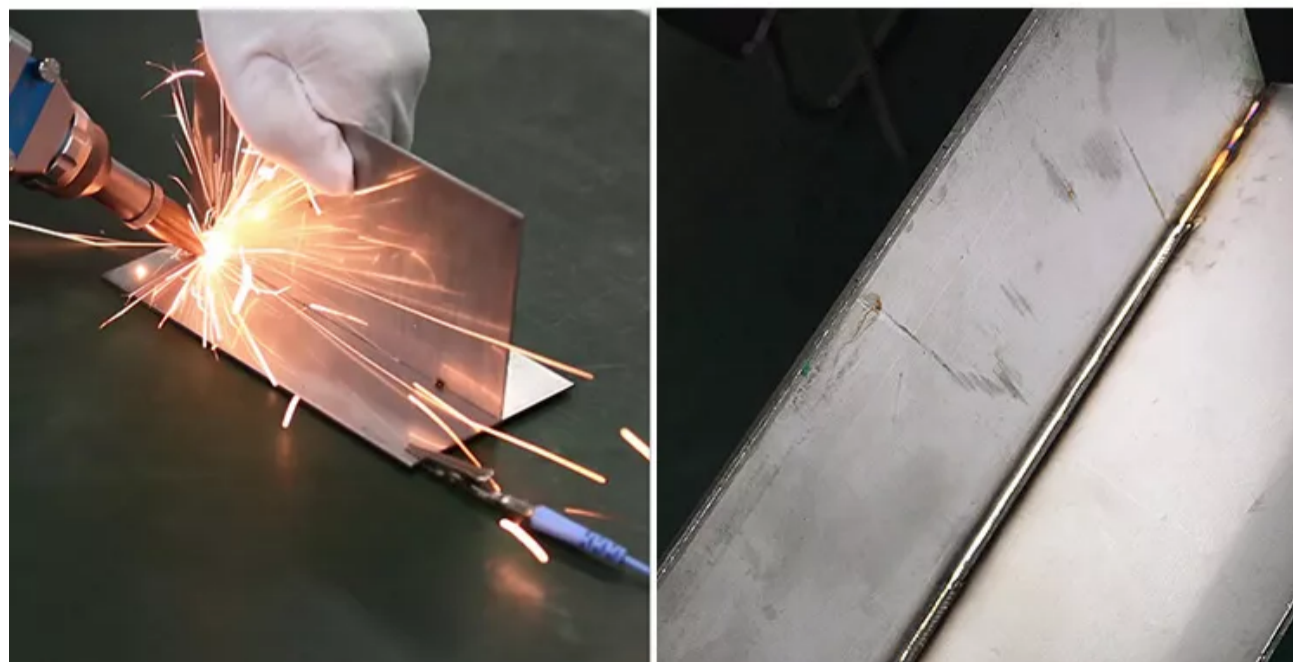
Name	Handheld Fiber Laser Welding Machine
Laser Power	1000W/ 1500W/ 2000W/3000W
Laser Wavelength	1070NM
Fiber Length	Standard 8-10M supports up to 15M
Way of Working	Continuous
Automatic wire break	Yes
Cooling Water Machine	Industrial Constant Temperature Water Tank
Focus focal length	150mm
Light source diameter	Adjustable (0.5-5) mm
Welding gap requirements	≤0.5mm
Operating Voltage	AV 220V

Handheld Laser Welding Machine Configuration:



Hand-held welding laser head

The handheld laser welding machine can perform long-distance laser welding of large workpieces. The heat affected area is small during welding, and it will not cause deformation, blackening, and traces on the back of the workpiece. The connection depth is large, the welding is firm, and the melting is sufficient. There is no depression in the joint between the raised part of the molten material in the bath and the substrate! The welding speed is fast, 2-10 times faster than traditional welding, and one machine can save at least 2 welders a year.

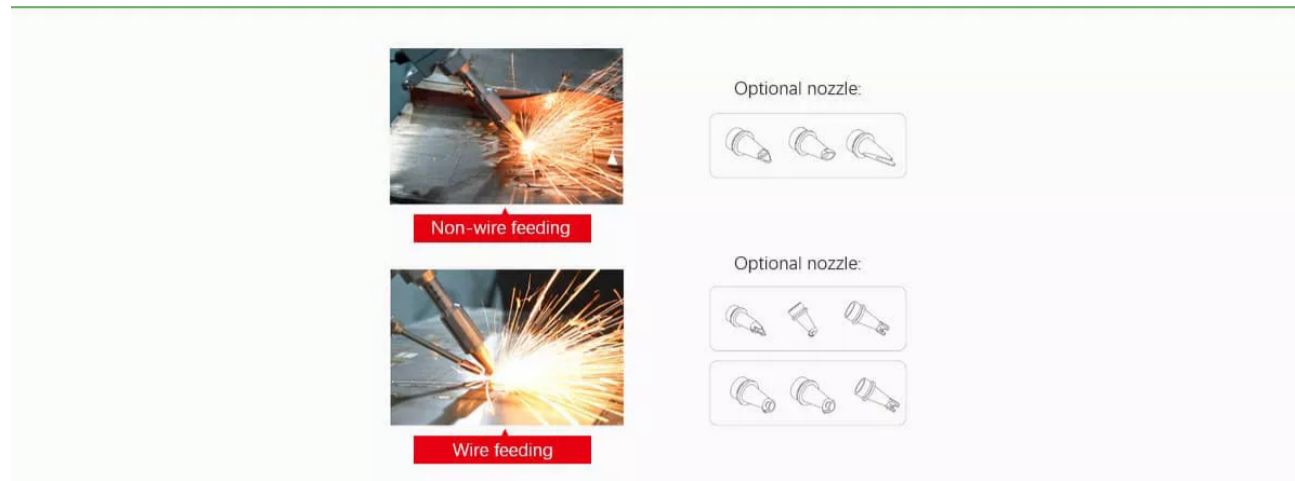


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iGoldencnc's handheld laser welding machine has two welding modes. Customers can choose between wire feeding or non-wire feeding according to their own products. The switching is simple and practical.



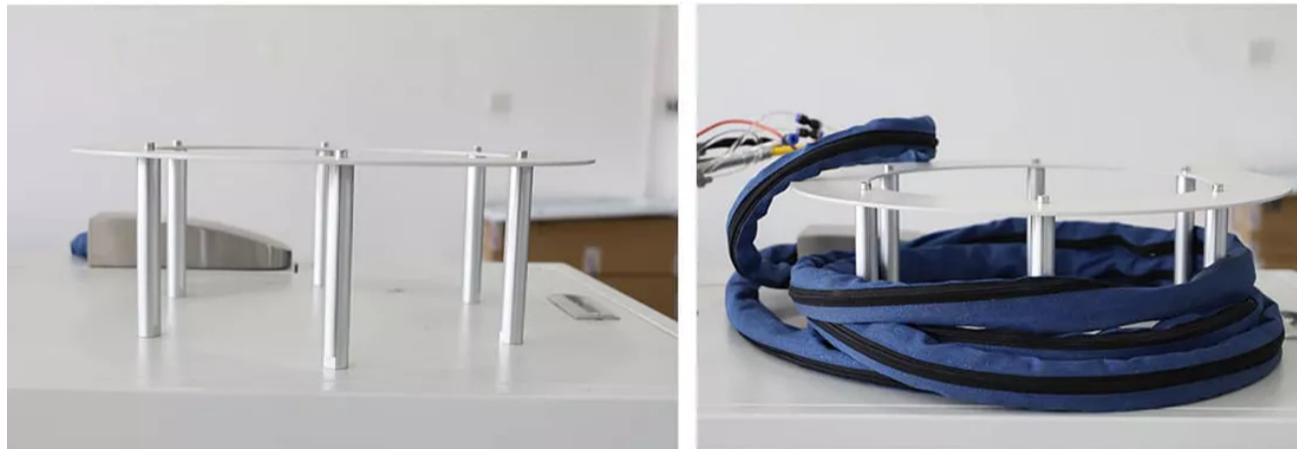
Laser Source

The laser adopts water-cooled heat dissipation and rack-mounted chassis design. It has many advantages such as high electro-optical conversion efficiency, low energy consumption, compact structure, adjustment-free maintenance, and easy integration for customers. It is industrial laser welding and other Ideal light source for application.

HANLI Chiller

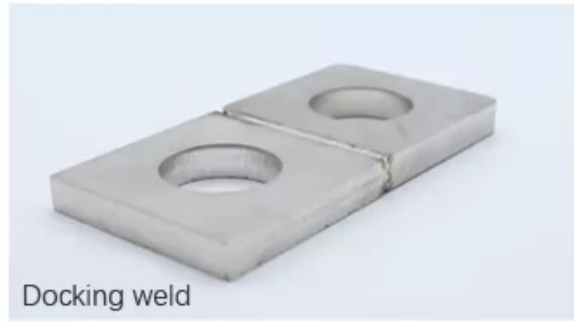
1. The cooling capacity is up to 1400W, and environmentally friendly refrigerants can be used;2. Small size, long life and durable, easy to operate;3. The temperature control accuracy can reach +0.3C;4. The intelligent thermostat has two temperature control modes, which are suitable for different use occasions; it has a variety of settings and fault display functions;5. With multiple alarm protection functions





Fiber Handheld Laser Welding Machine Application:





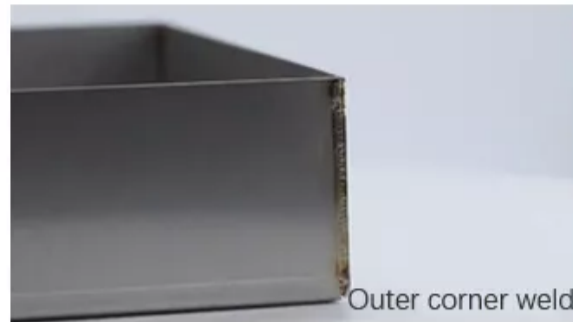
Docking weld



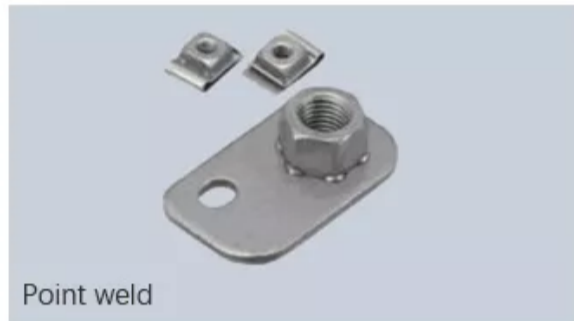
Stack weld



Inside corner weld



Outer corner weld



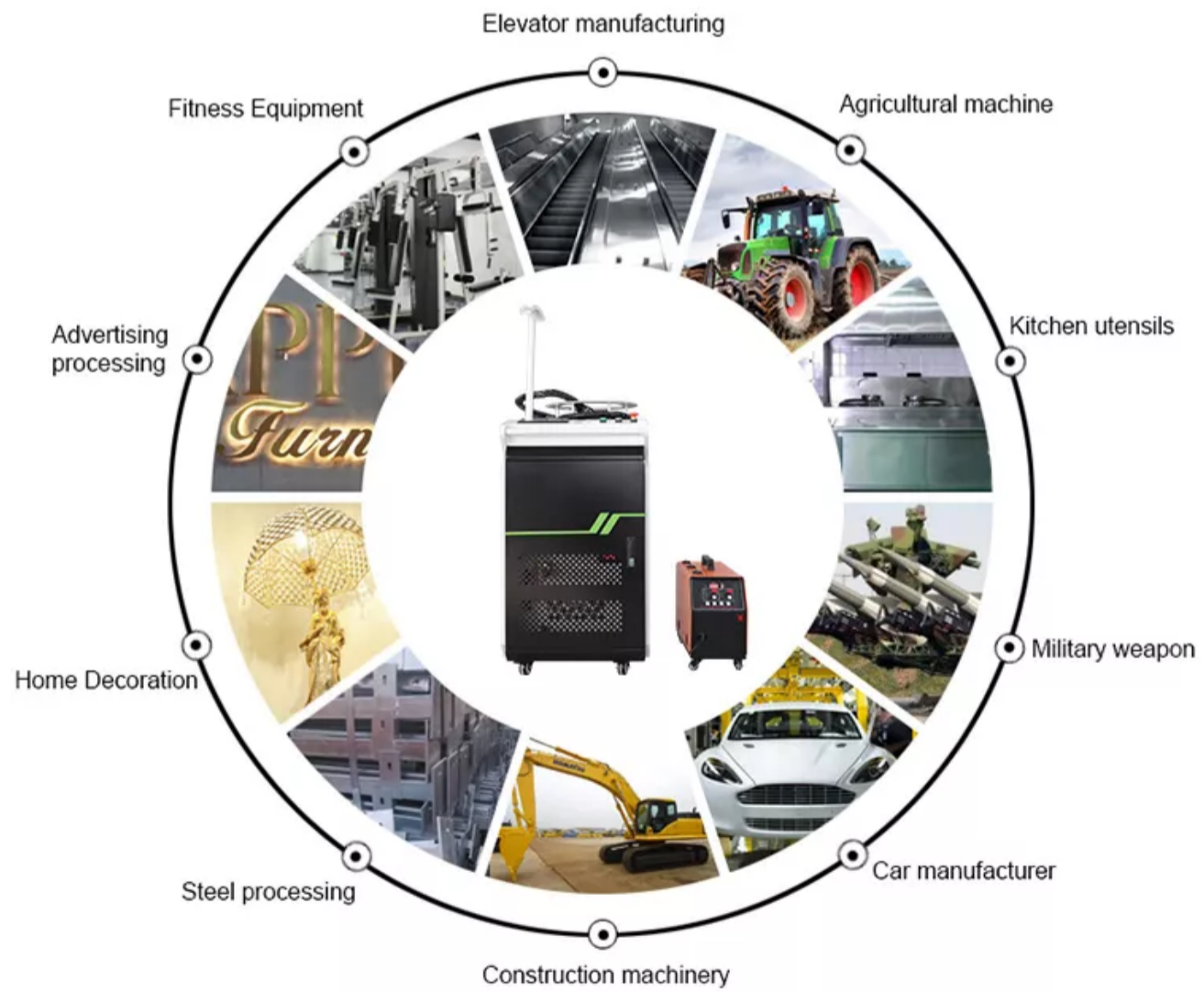
Point weld



Tube weld

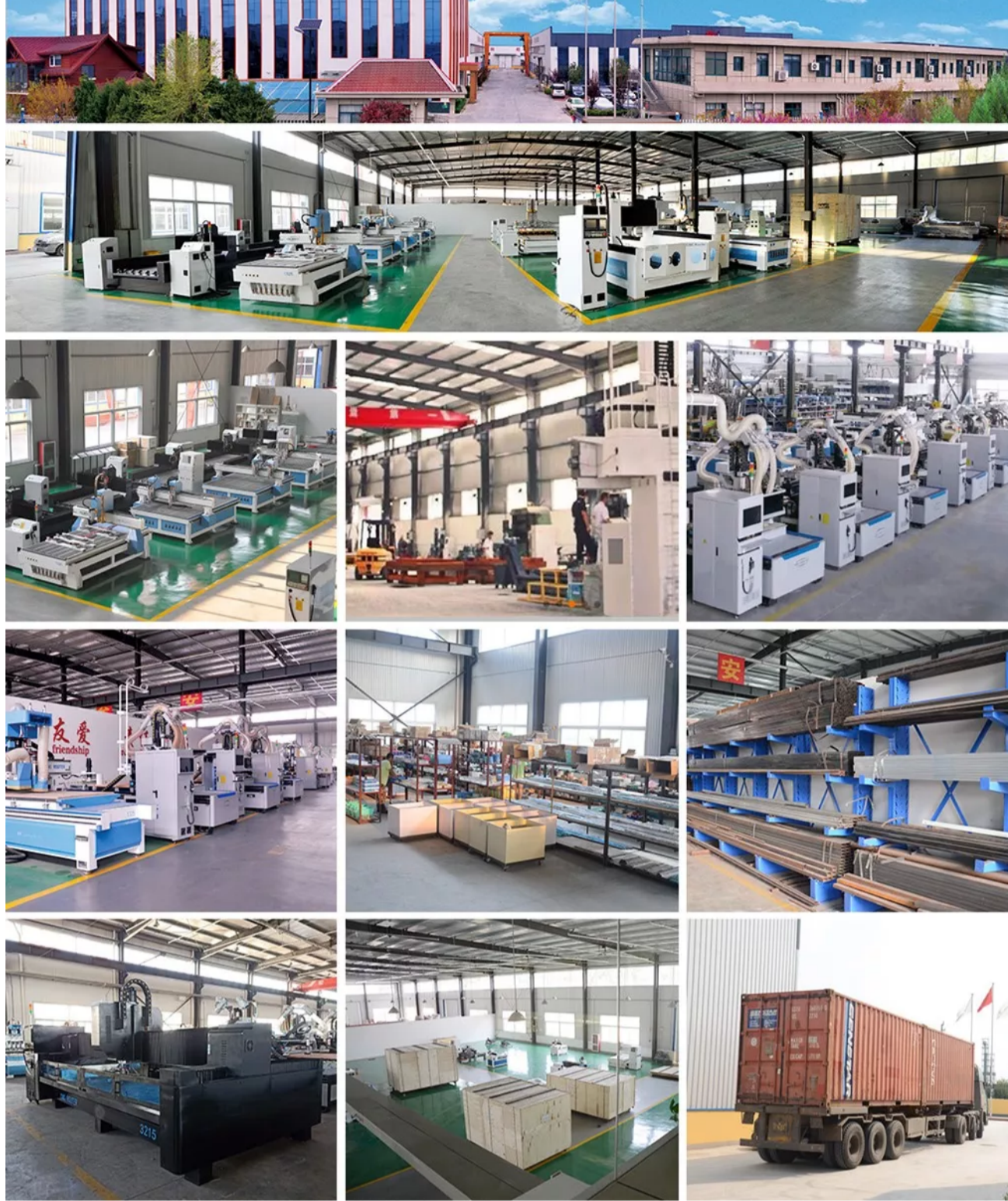


Suitable for welding of stainless steel, iron sheet, aluminum, copper, alloy, steel, diamond equivalent materials or dissimilar materials, cabinets, kitchens, stair elevators, shelves, ovens, stainless steel doors and windows guardrails, distribution boxes, Stainless steel household and other industries.



iGOLDENCNC Factory View





Customer Visiting



iGOLDENCNC Service

Pre-sales

- > Professional CNC solutions
- > Customer reception
- > Fast delivery within 7 days(Available in stock)
- > Customized machines delivered within 30 days
- After-sales
- > 2-year warranty
- > Fast feedback and after-sales service in 12 hours
- > Fast spare parts and technical assistance
- > Free training services
- > Special design, customized, OEM order

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Handheld Fiber Laser Welding Machine

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<input style="height: 40px;" type="text" value="*Message"/>	
<input type="text" value="*Verify Code"/>	
<input type="button" value="Submit"/>	



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Shandong iGolden CNC is a solution supplier of CNC application with key technology and independent intellectual property rights.


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