



合肥旭丰和机电科技有限公司

Hefei XFH Electromechanical Technology Co., Ltd



Portable air-cooled laser welding machine

Welding machine We only make the best

www.xfh laser.com

PRODUCT FEATURES



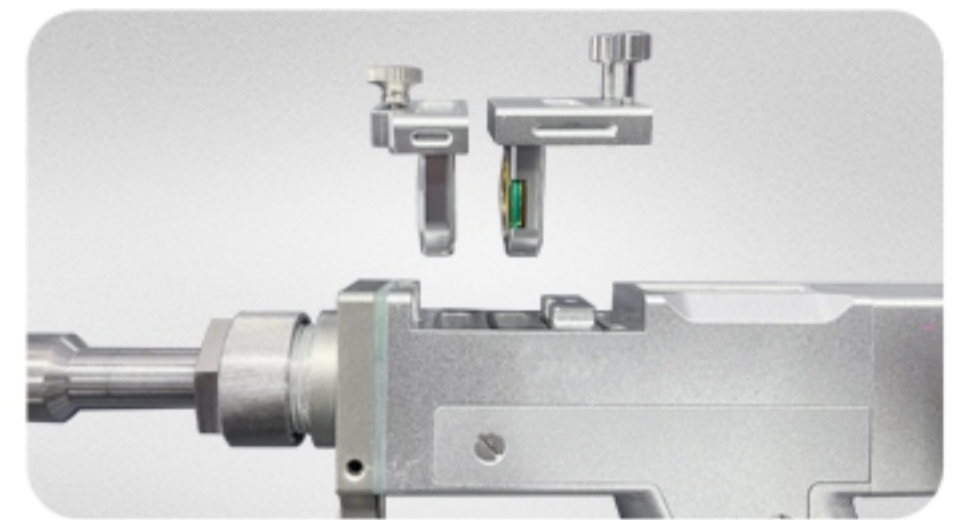
POINT 1

All electrical components adopt Schneider and other first-line brands
Stable equipment



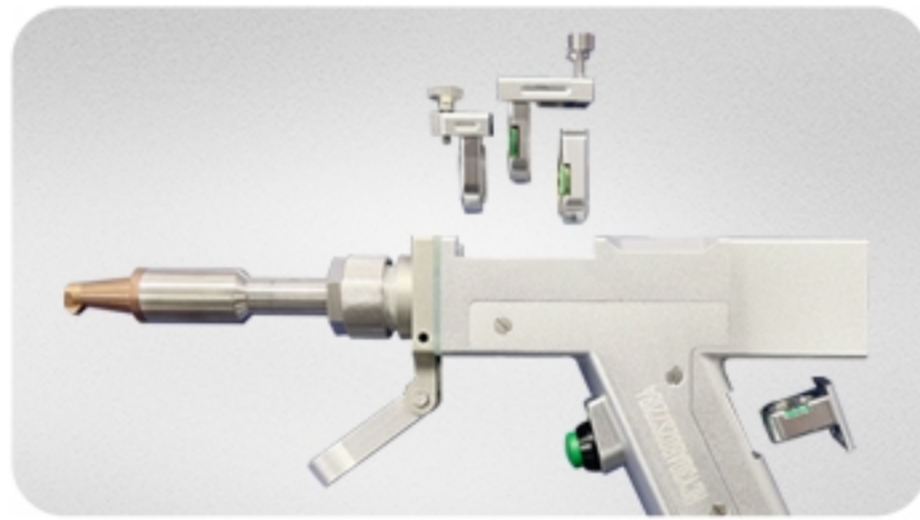
POINT 2

Dual protective lens design
Longer lasting and more durable

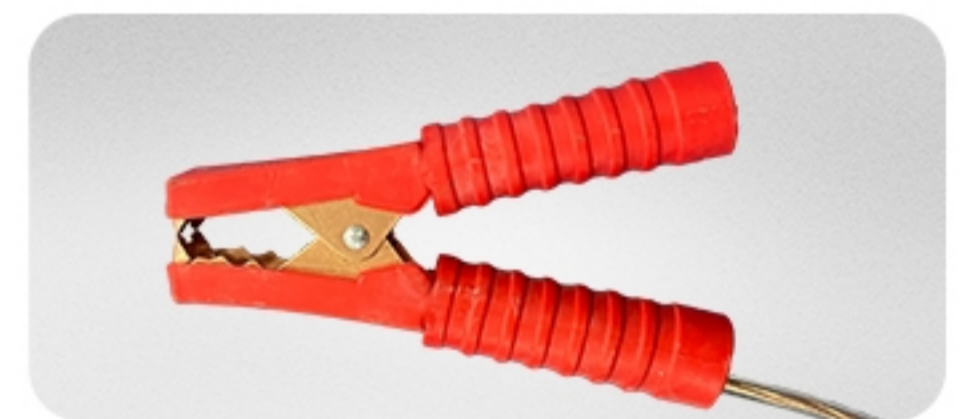


POINT 3

Drawer type lens design, easy to replace, simple maintenance



POINT 4



POINT 5

Top of screen design
Easy to operate



POINT 6

10 meters welding line
Wide area of use



POINT 7

Complete specification of accessories



POINT 8

Compact device, easy to move



COMPARISON OF ADVANTAGES AND DISADVANTAGES

Comparison with conventional TIG/MIG welding methods



TIG/MIG

VS



Air-cooled laser welding machine

Advantages of air-cooled laser welding machines

- No welding technology required
- Fast welding speed
- Beautiful weld seam
- No grinding
- Small heat distortion
- Low welding fume
- No glare during welding

Water-cooled laser welding VS. air-cooled laser welding



Water-cooled laser welding machine

VS



Air-cooled laser welding machine

Advantages of air-cooled laser welding machines

- Compact and easy to move
- Energy saving of 50% compared to water-cooled equipment
- No need to wait for the machine to start welding
- Maintenance-free mainframe, no need to add water and antifreeze
- Modular design, low failure rate

PRODUCT INTRODUCE



Flexible and convenient, Move according to one's heart, Act casually

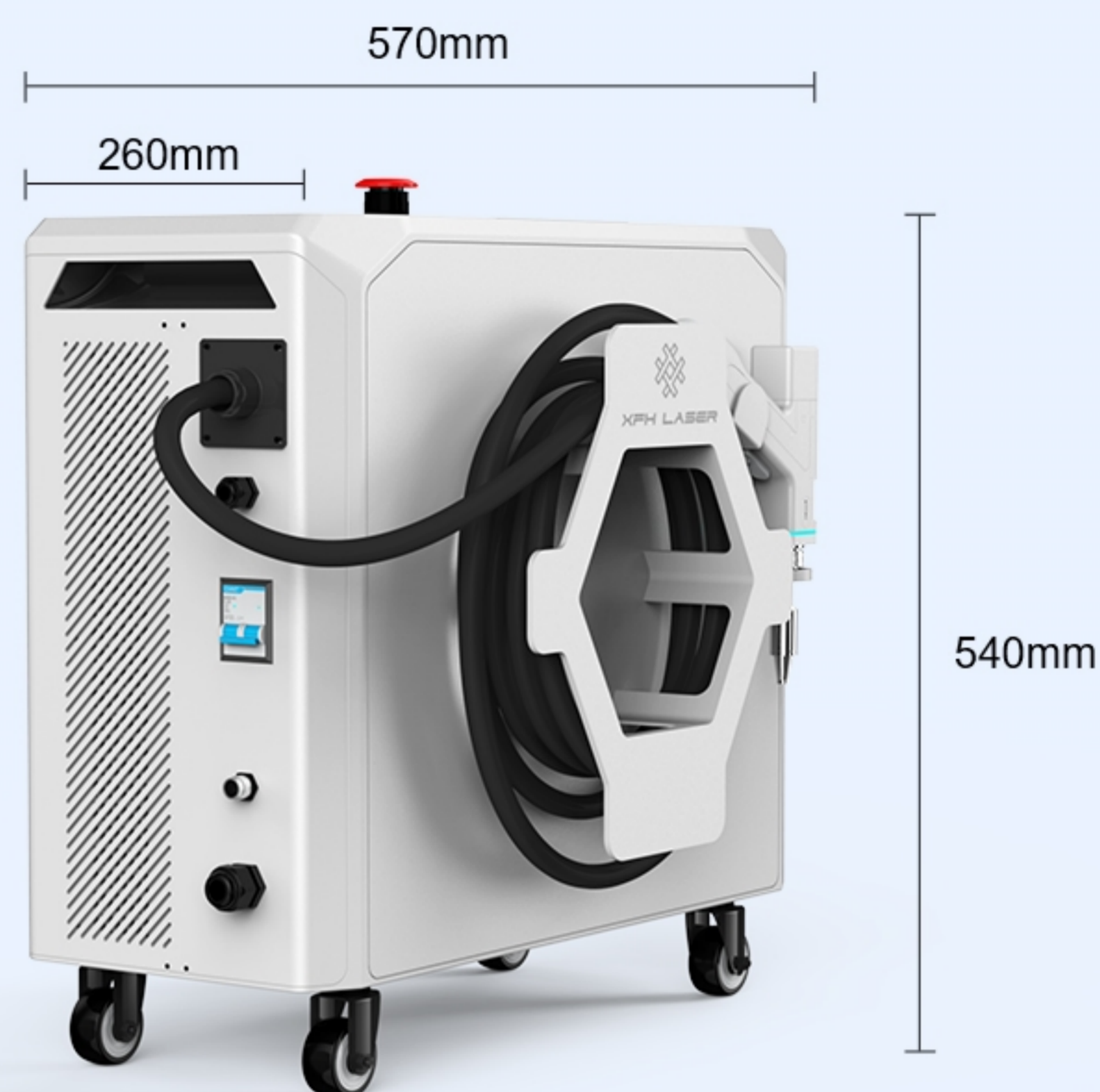
Welding gun armor cable can be dragged.

weight

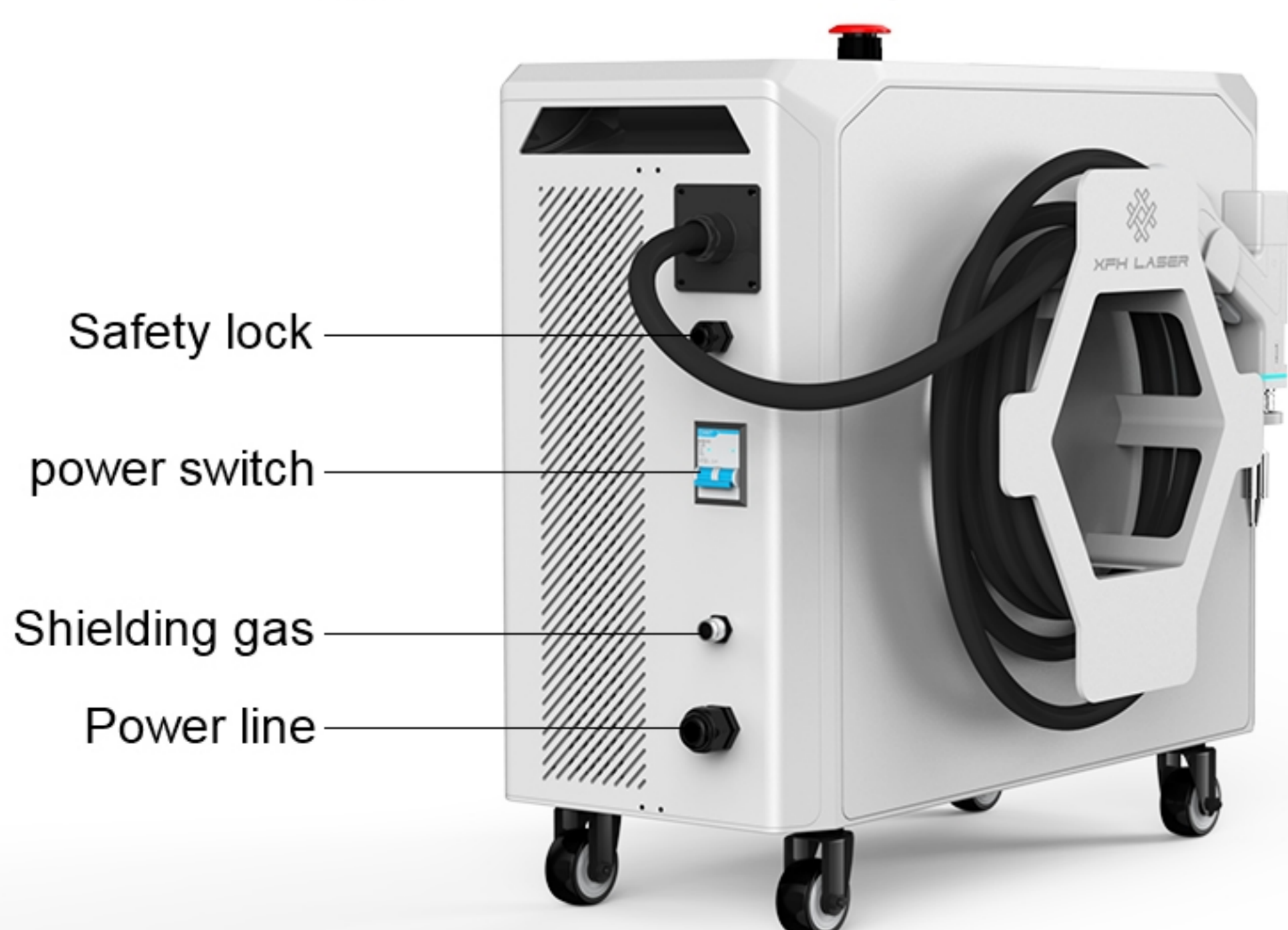
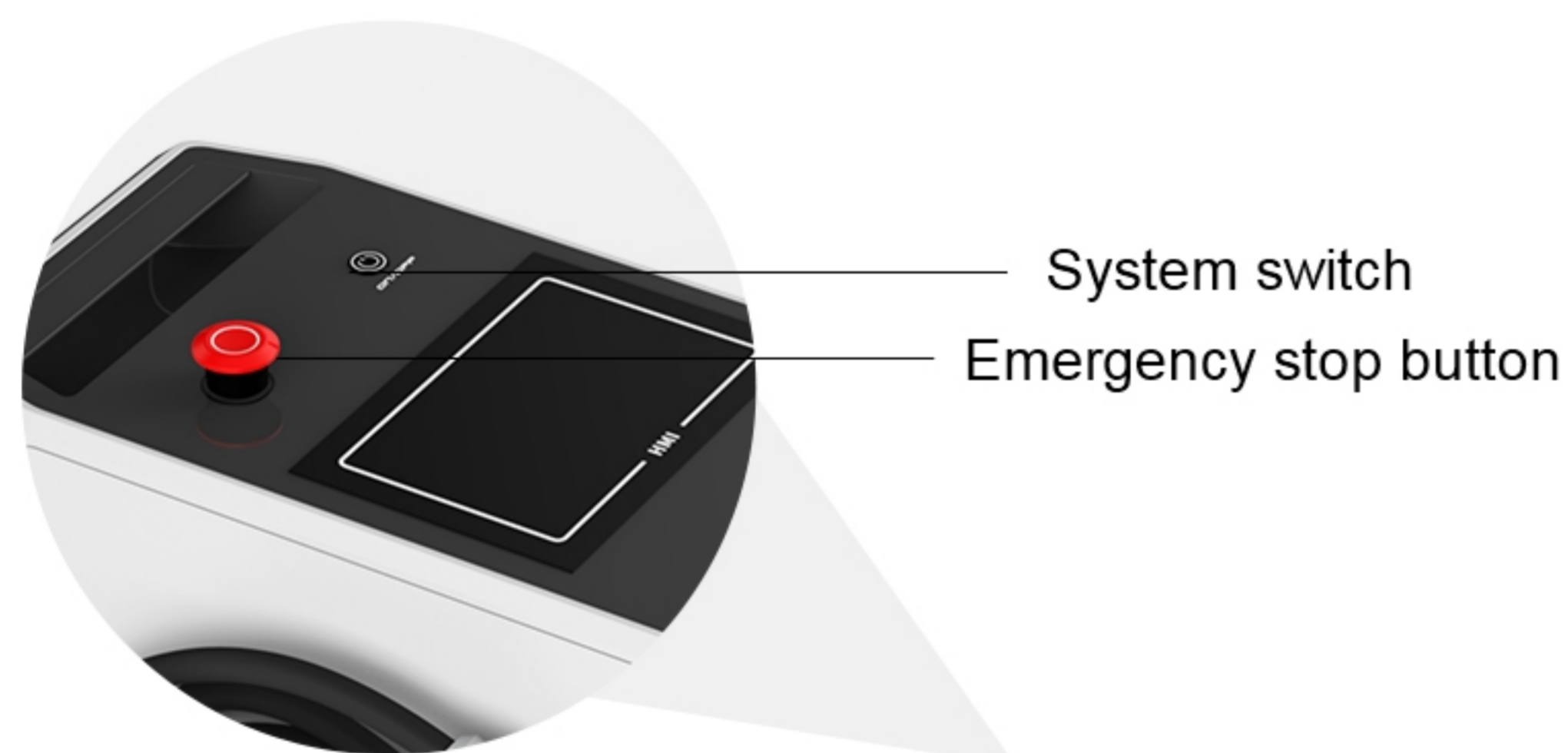
Easy to move by one person

volume

Less than 0.1 cubic meters



Easy operating system Intelligent machining mode



Welding at any angle

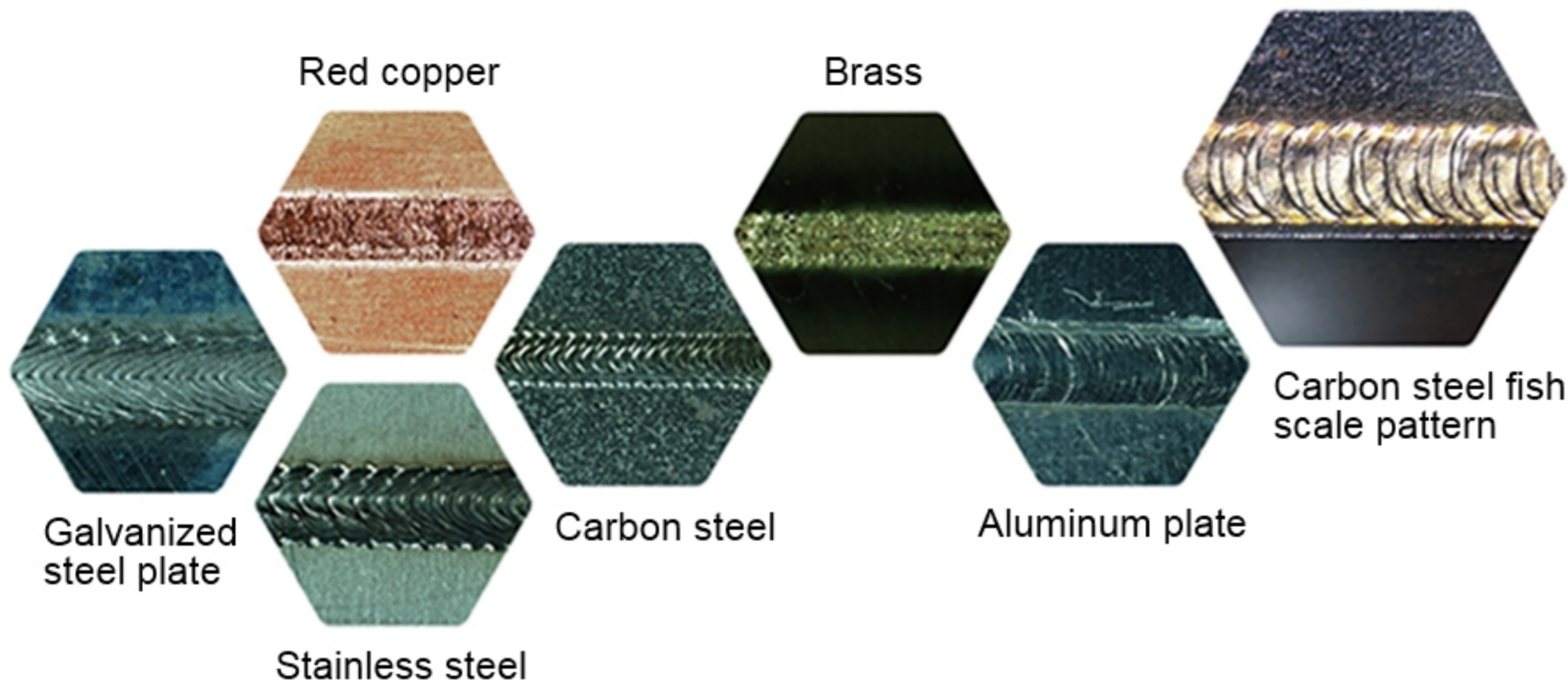
Welding head can weld workpieces at any angle, suitable for various complex welds and various equipment



PRODUCT INTRODUCE

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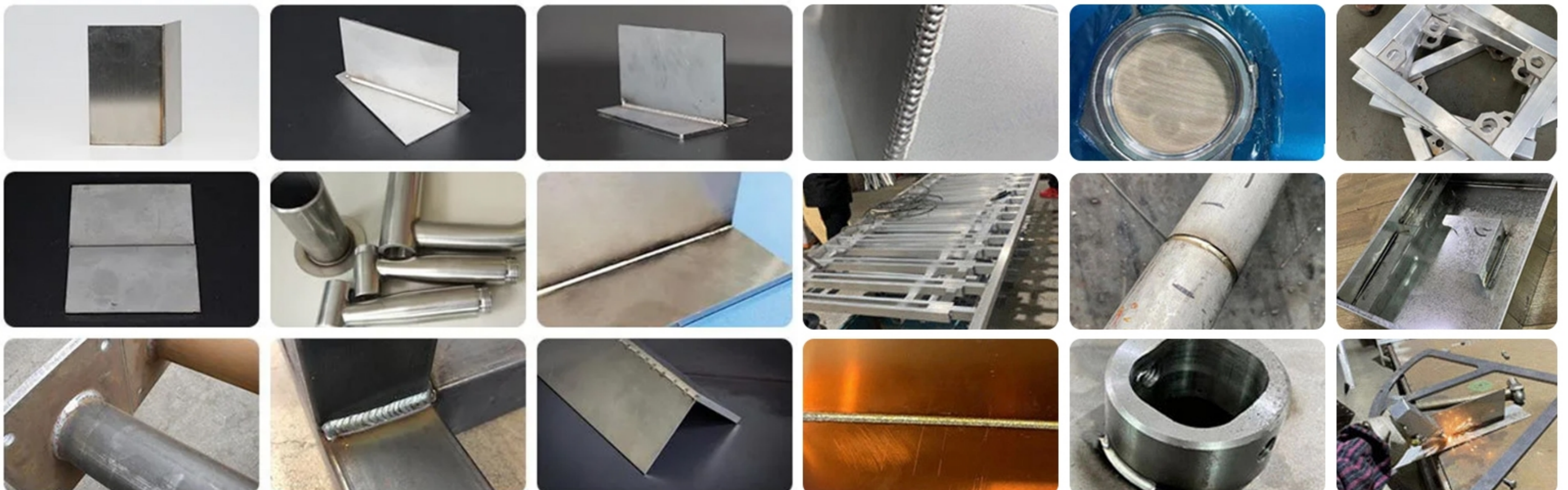
● **Not only ease of use and efficiency, but also welding art**



Through the intelligent operating system, users can quickly select welding parameters based on different materials and thicknesses, and beginners can also weld high-quality and consistent welds.



● **Application cases**



PRODUCT PARAMETER

04

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Specification and model	700w	1200w	1500w
Size (mm)	570*260*540mm	570*260*540mm	570*260*540mm
Weight (kg)	29kg	43kg	48kg
Total power (kw)	2.5kw	4kw	4.5kw
Input voltage (v)	220V,Customizable		
Cooling method	Air cooled	Air cooled	Air cooled
Operation temperature	-20--40°C		
Wavelength (nm)	1070	1070	1070
Welding handle wire length (m)	10	10	10
Welding speed m/min	0-2m	0-2m	0-2m
welding thickness (mm)	0.4-3	0.4-4	0.4-5
Scan width (mm)	0-8mm		
Weldable materials	Carbon steel, stainless steel, aluminum, galvanized materials and other metal material		
Positioning indication	Red light	Red light	Red light
Capable of functionality	Welding, cutting, cleaning		
Adapted welding wire diameter (mm)	0.8/1.0/1.2/1.6/2.0		
Automatic wire feeding	Standard configuration	Standard configuration	Standard configuration
Welding Wire Specifications	Solid coiled wire, same as gas-shielded wire		
Welding Wire Material	Same as welded base material		
Protective gas	Nitrogen, argon, carbon dioxide		
Protective gas flow rate L/min	10-15 liters per minute		

PACKING LIST

05

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01	Laser welding machine Includes 10 meters of welding wire	(1 unit)
02	Wire feeder Includes wire feed tube, wire feed wheel accessories	(1 set)
03	Safety goggles	(1 pair)
04	Welding nozzle	5pcs
05	Protective lens 18*2	5pcs (disposables)
06	Nozzle assembly Includes 0.8/1.0/1.2/1.6mm wire nozzle and wire feeder	1 set
07	Protective gas connection fittings	1pcs

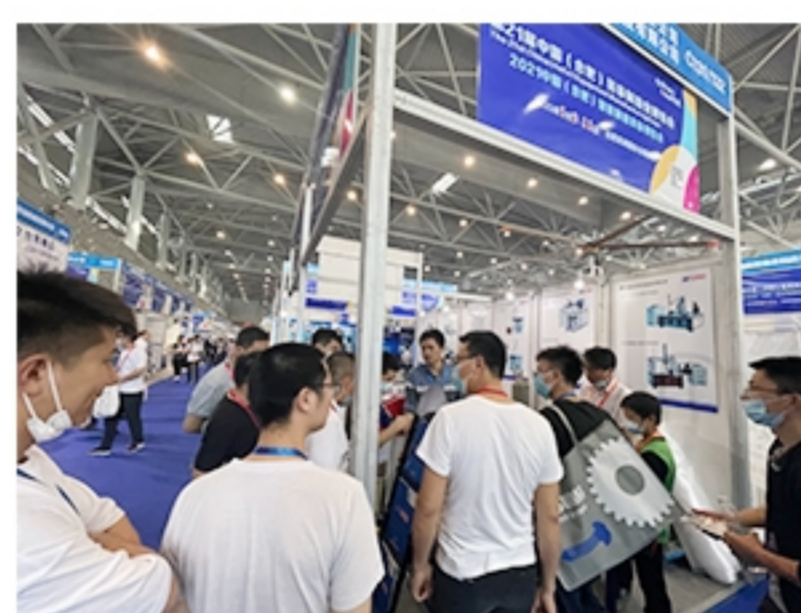
PRODUCT

PRODUCT

COMPANY INTRODUCTION

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Hefei XFH Mechatronics Technology Co., Ltd. has accumulated years of experience in manufacturing laser welding equipment, gathered elite technical talents in the industry, and carried out comprehensive innovation and iteration of handheld laser welding equipment to promote welding technology upgrading. We are a national high-tech enterprise that integrates research and development with production. We are the first to launch a convenient laser welding machine with the smallest volume, powerful welding ability, and lightweight body, providing customers with high-quality handheld laser welding equipment and a brand new welding experience.



CONTACT INFORMATION

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