



IGOLDENLASER

TECHNICAL PROPOSAL

IGCL-HW (A)

Hand-held Laser Welding Machine



● PRODUCT OVERVIEW

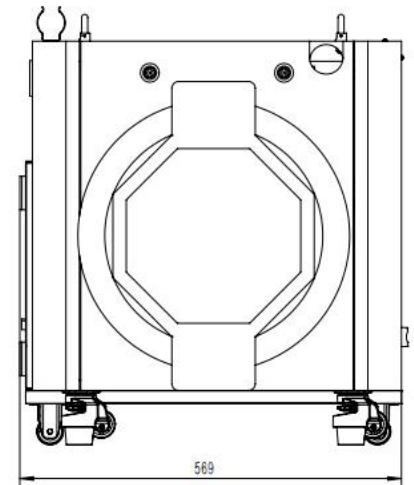
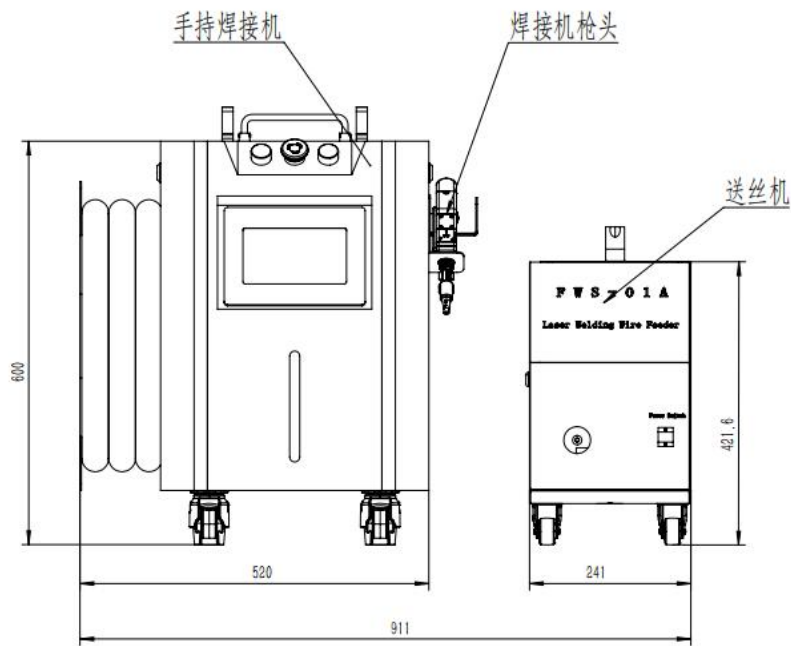
iGWL-HW, a handheld fiber laser welding machine, adopts non-contact welding process to form a strong (even air tight) seal of the machine. When welding, only need to enter the welding area from the side of the part to be welded, and the laser quickly heats the material to form a smooth burr free high quality weld;

The welding result is high aspect ratio, small weld width, small heat affected zone, small deformation, fast welding speed, no processing or simple processing after welding. Not limited by space and location, environmentally friendly and consumable, suitable for various application scenarios. Reliable, stable and durable, after a number of rigorous industry tests, to provide every customer with safe and efficient laser welding equipment.

● PRODUCT PICTURE



● PRODUCT SIZE



Offer of Fiber Laser Welding Machine

Seller	Company Name: Shandong iGolden CNC Technology Co.,Ltd. Company Address: 5th Floor, Building 2-2, Enterprise Park, East 8, Tangye Middle Road, Licheng District, Jinan City, Shandong Province, China Whatsapp: Mobile: Contact Person: Email Address:
Model	iGCL-HW
Power(optional)	Fiber
Type	
Quotation FOB QINGDAO USD	
Delivery	
Payment	
Packing Size	
Gross weight	
Container	

● TECHNICAL PARAMETER

Welding system		
Content	Single axis 2in1	Single axis 4in1
Supply voltage	Single-phase 220V±10%, 50/60Hz AC	
Output method	Continuous light	
Power	900w/1200w/1500w	
Language	Multiple language options, including English, Japanese, Korean, German, Spanish and more	
Feature	Welding/Cutting	Welding/cleaning/cutting/weld cleaning
Laser power adjustment	10%-100% continuous gradient adjustable	
Laser frequency adjustment	1kHz-30kHz continuous gradient adjustable	
Collimating focal length	50mm	
Focal length	150mm	
Range of focus adjustment	-10mm ~ 10mm	
Spot adjustment range	0-5mm	
Cleaning head weight	0.5KG	
Cable length	5m	

● MAIN CONFIGURATION

Item	Name	Amount	Origin&Manufacturer
I	Laser		
1	1200w/1500w	1	Max
II	cleaning system		
1	Single axis	1	iGOLDENLASER
2	Dual Axis		iGOLDENLASER
III	Other		
1	Cabinet	1	iGOLDENLASER
2	Cable	1	5m (Standard)
3	Lasering protective eyeglass	1	Standard
4	Lens	10	Standard
5	Optical cleaning cloth	1	Standard

● CONFIGURATION INTRODUCTION

	Fiber laser Stable performance, low energy consumption, low failure rate, flexible optical fiber 5-20m, flexible and convenient, can achieve outdoor work, and has a rigid protective layer.
	Laser head Single pendulum and double pendulum laser head optional, small and portable, different modes, multi-system compatible.
	Wire spool The standard cable is 10 meters, and the winding tray is used to comb the cable to avoid entanglement affecting the work.
	Operating system Friendly interface; Rich functions, a variety of cleaning modes are optional, easy to learn.

Advanced Performance

- ◆ Handheld swing welding way, flexible, convenient operation simple and convenient.
- ◆ Interactive control system, the welding is more precise and without secondary treatment after welding.
- ◆ Pure copper welding nozzle, gas protection system, automatic welding to blow.
- ◆ 360 ° any parts no dead Angle welding, easy adaptation various welding scene.
- ◆ Accord with human body engineering, lighter weight, avoid using fatigue for a long time.

● Samples

- > Multi-industry applications: cabinet industry, machinery industry, hardware industry, household appliances industry, doors and Windows industry, construction industry, mechanical and electrical industry, Furniture industry, automobile industry.
- > Multi-scenario application: spot welding, patch welding, stack welding, fillet welding, continuous welding, sealing welding, profiled welding.







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