



Cutting | Bending | Welding | Automation



FMW-ECO

✦ Handheld Laser Welding Machine ✦

Company Culture



MISSION

Intelligent manufacturing changes future



VALUES

Customer-focused and employee-based



VISION

Become a respectable enterprise in the global metal forming equipment field

Company Profile



19

Global Branches



100+

Countries Covered



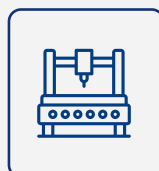
5

Manufacturing Bases



30+

Global Service Centers



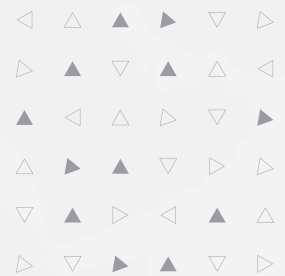
8,000+

Annual Capability



135,000m²

Occupied Area



FMW-ECO 1000-3000W

Handheld Laser Welding Machine



Scan the QR code to view product videos

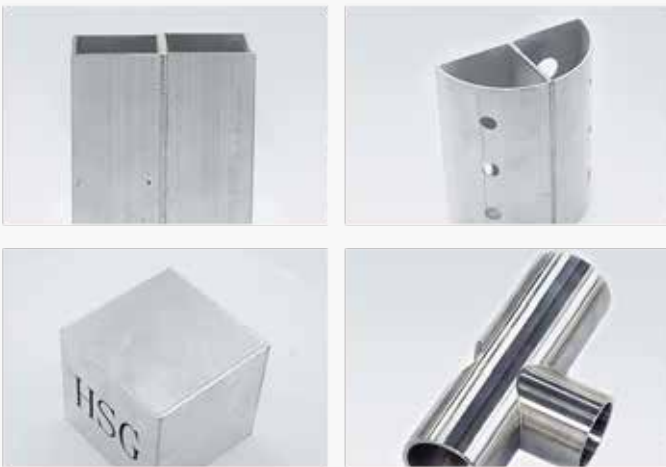
Technical Parameters

Technical Parameters	FMW-ECO
Power	1000-3000W
Laser Welding Head	Galvanometer single pendulum laser welding joint
Operating System	Hand held welding control system
Dc wire feeder	Standard
Touch Screen	Standard
Machine Overall Dimensions	710mm*1030mm*1176mm

* Machine appearance, technical parameters, function description, data comparison shown in this page are from HSG in-house laboratory. All testing results and experimental data shall be subject to real machine.

Swing Welding Technology

- WOBBLE welding heads have the swing welding model which the facula can be adjusted with strong welding fault tolerance. The technology can compensate for the disadvantage of the small laser welding spot and extends the tolerance range and weld width of the machined part to obtain a better weld formation.



Work-piece welding in one operation

- Simple to operate and easy to train. The work-piece can be welded in one operation.
- The laser head is light, flexible and can weld any part of the work-piece, making welding work more efficient, safe, energy efficient and environmentally friendly.

Dual Temperature and Control chiller

- The machine is self-equipped with dual temperature and control chiller for constant temperature control heat dissipation and ensuring the core optical components heat dissipation with fiber laser, which are stable and efficient.





▶ **Handheld Welding Laser Head**

- WOBBLE handheld welding laser head with ergonomic design can be operated easily and persist in working.

▶ **Safe Ground Wire**

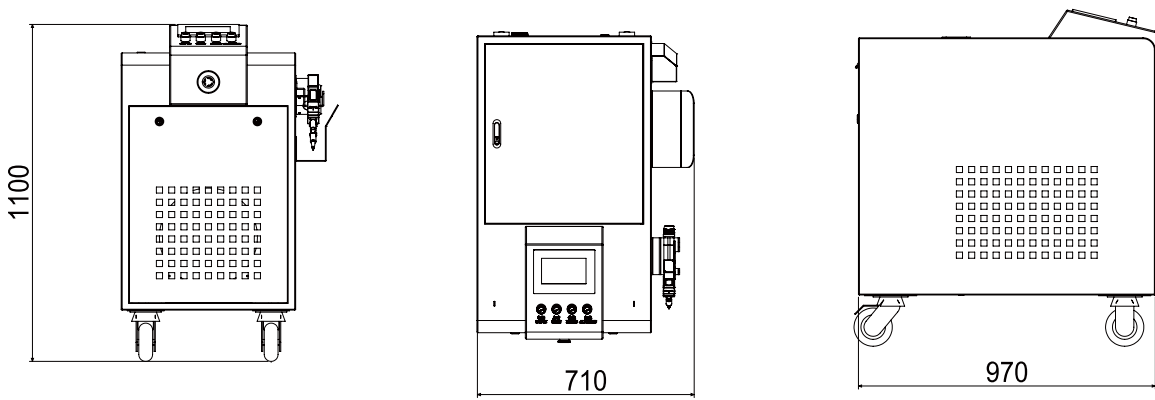
- Workers, machine and instrument are well protected to make sure of no-break work in case of electric leakage.



▶ **DC Dual-driven Wire Feeder**

- The dual-driven wire feeder performs stably in wire feeding effects.

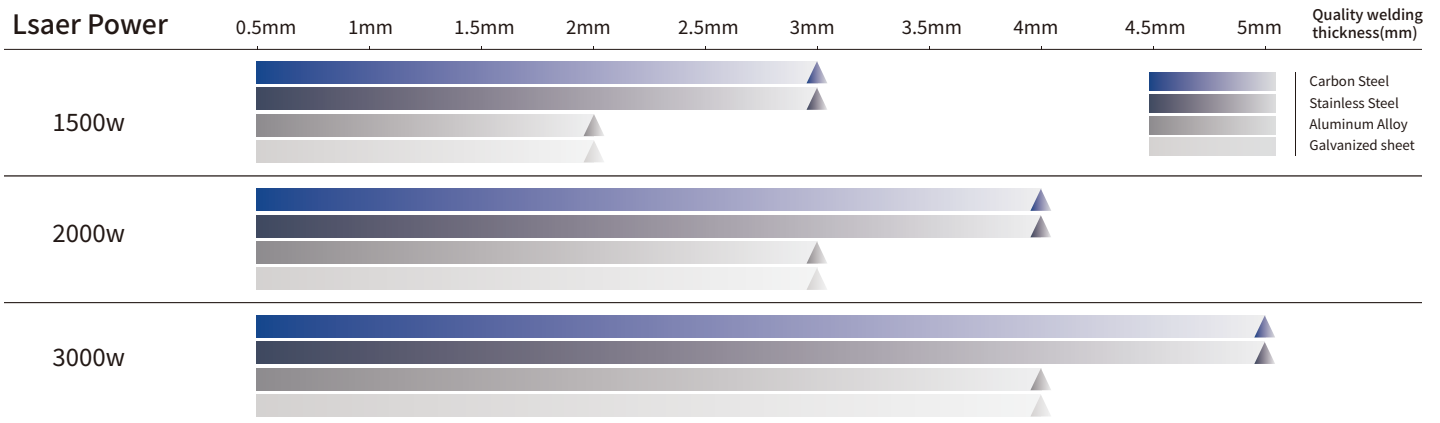
Machine Foundation *The marked size has about 10mm error



Cutting Samples



Welding Strength



The actual machines shall prevail and above data & pictures are only for reference



Intelligent Manufacturing Changes Future



As a global enterprise, HSG sticks to providing professional and convenient service support to customers at home and board



Professional Training

Multiple technical training services and free operation training are provided for customers and dealers in a timely manner.



Efficient Support

Humanistic service model, online services and 7*24 hotline to offer solutions and assistance.



Optimized Transport

Multi-channel transport solutions and a professional transport solution team providing various transport cases to satisfy the demand of customers and save transportation fees.



Sufficient Accessories

Highly efficient accessory delivery service; multiple network inventories jointly respond to accessory demand, shortening customers' waiting times and accelerating production.



Careful Services

Domestic door-to-door service and free proofing, with over 100+ dealers providing efficient and convenient services.



Intelligent Manufacturing Changes Future



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