



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.

HSG

Shape Metal, Shape Trust



Website



Facebook



Youtube

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HSG



FMW

Handheld Laser Welding Machine

www.hsglaser.com

Company Culture

- SLOGAN**
Shape Metal, Shape Trust
- MISSION**
To support the high-speed growth of our customers
- VISION**
To be a world-leading provider of metal shaping equipments & comprehensive solutions

Company Profile

- 19** Global Branches
- 100+** Countries Covered
- 5** Manufacturing Bases
- 8,000+** Annual Capability
- 30+** Global Service Centers
- 135,000m²** Occupied Area

FMW 1000-3000W

Handheld Laser Welding Machine



Technical Parameters

Technical Parameters	FMW
Power	1000-3000W
Laser Welding Head	Galvanometer single pendulum laser welding head
Operating System	Hand held welding control system
Dc wire feeder	Standard
Touch Screen	Standard
Machine Overall Dimensions	624mm*806mm*970mm / 724mm*896mm*1052mm

* 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.



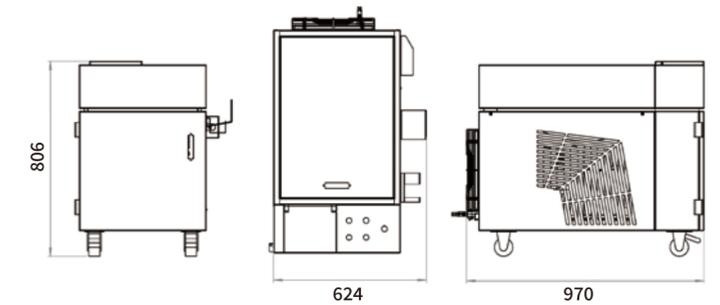
Handheld Welding Laser Head

- WOBBLE handheld welding laser head with ergonomic design can be operated easily and persist in working.
- Adopting high flexibility main thread, undergoing several bending and tensile tests for inspection. High end chips paired with non-metallic casing greatly enhance anti-interference ability. Pull type collimation and focusing, making it easier to replace collimating lenses. Dual protection lenses, fault monitoring, early warning, to prevent lens burning.
- Added multiple alarm detection functions for quick troubleshooting.
- Three in one system, weldable, cuttable, and washable, welding process library, one click call.



Machine Foundation

*The marked size has about 10mm error



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.

Safe Ground Wire

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



Cutting Samples



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.

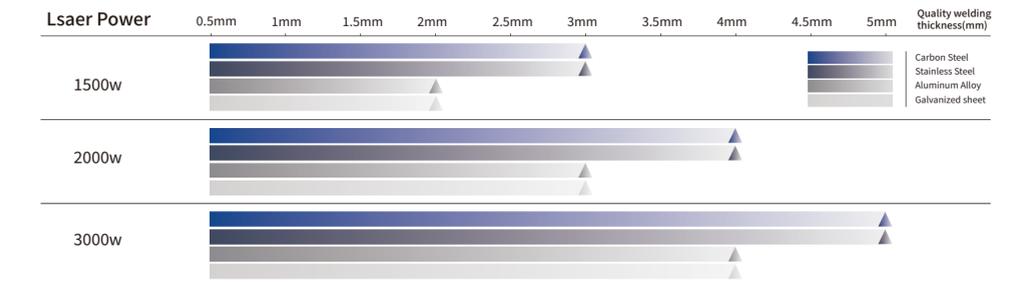


DC Dual-driven Wire Feeder

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



Welding Strength



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