

FMW 1000-3000W

Handheld Laser Welding 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.



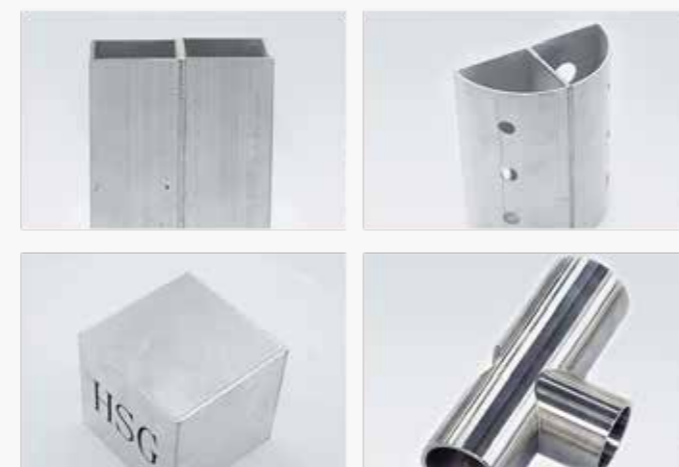
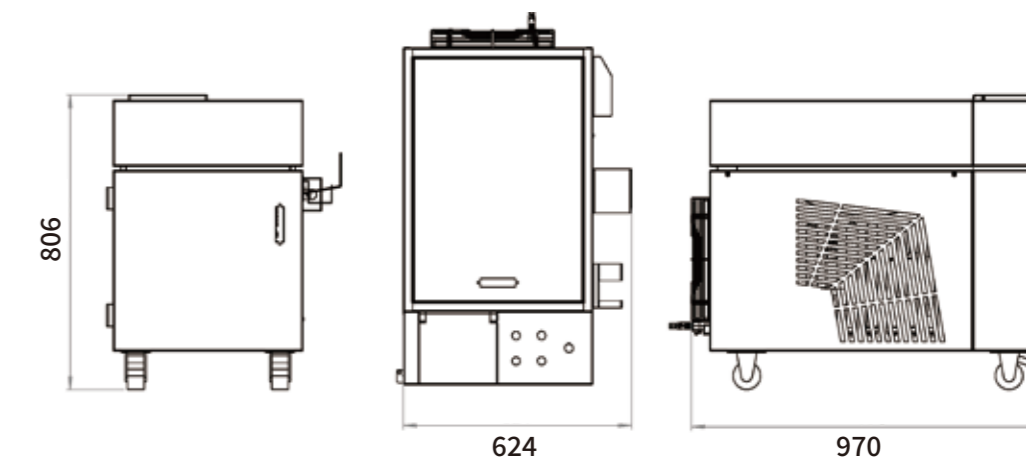
Handheld Welding Laser Head

- 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

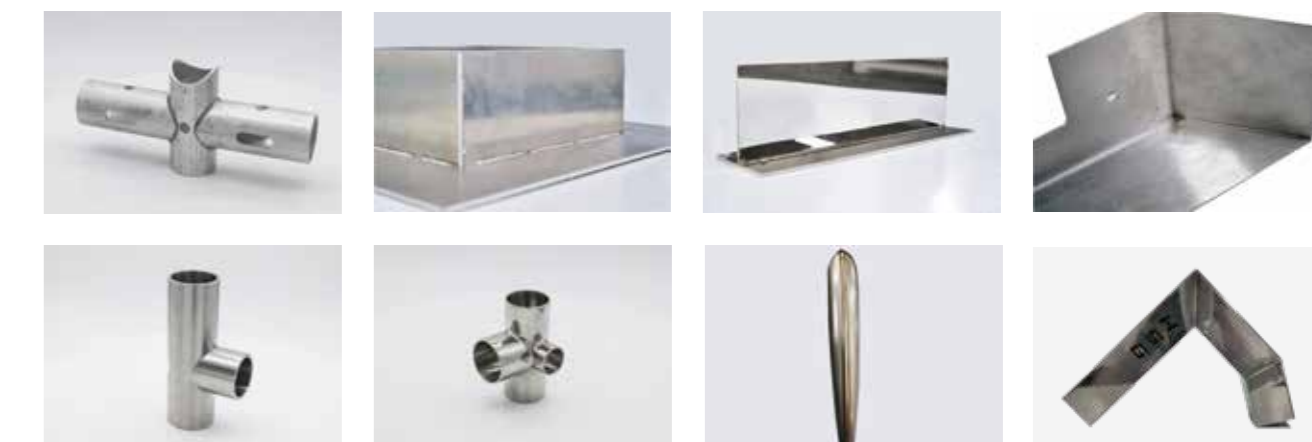
- Simple to operate and easy to train. The work-piece can be welded in one operation.
- The laser head is light, flexible and can weld any part of the work-piece, making welding work more efficient, safe, energy efficient and environmentally friendly.

Safe Ground Wire

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



Cutting Samples



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.

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.

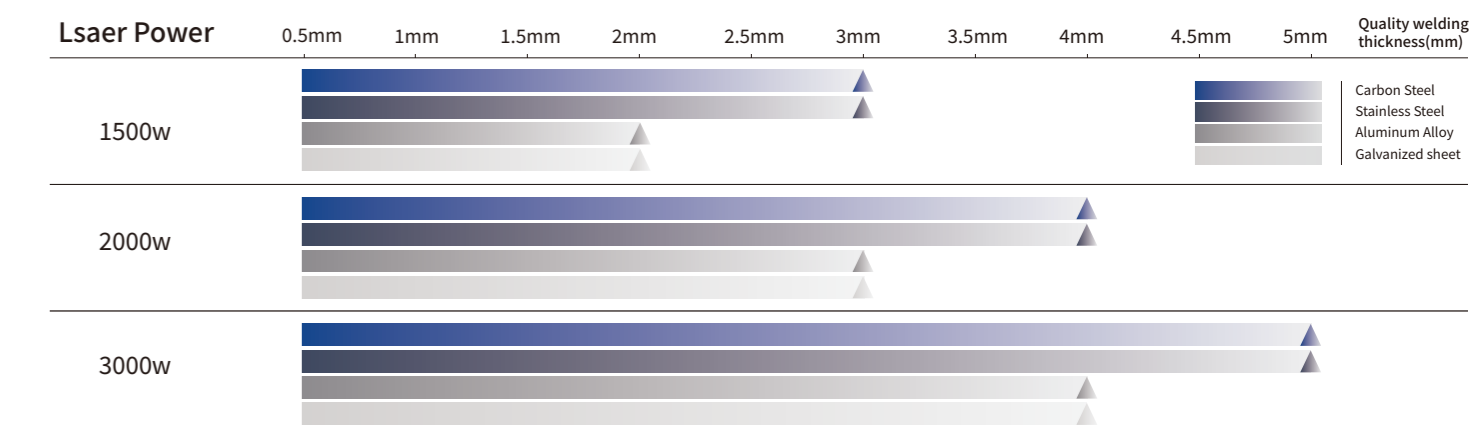


DC Dual-driven Wire Feeder

- 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