



### Handheld Laser Welder

Han's laser handheld welding machine HW-A is an All-In-One handheld fiber laser welder that includes CW/pulse output mode. Ideal for stainless sheet, iron sheet, galvanized sheet as well as aluminum sheet welding. Wobble welding technology, adjustable focal length, and operates with the highest process consistency features secured the high-quality products of HW-A in the laser industry. Laser beam welding is a welding technique used to join pieces of metal through the use of a laser. The beam provides a concentrated heat source, allowing for narrow, deep welds and high welding rates.

Laser processing has proven to be a high-quality, cost-effective manufacturing process requiring minimal tooling. Reduced tooling / fixturing makes laser processing ideal for prototype development. Compared with traditional TIG

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#### Handheld Laser Welding Machine



#### Features

HW-A swing amplitude range is between 0mm-5mm. The laser mode can be set through the control system by continuous wave or the pulse wave. The width of the weld seam can be customized through the swing amplitude, which solves the defect of traditional hand-held laser welding that requires high weld seams. The welding fault tolerance rate has been improved. The wire feeder design can be fed during the welding process automatically, which is suitable for industry and household use. The hand-held welding gun is more flexible and convenient, meets welding at various angles and positions. The welding seam is beautiful and firm, and the operation is simple, fast, flexible, and low in processing cost. Compared with traditional argon arc welding and TIG welding, the efficiency has a huge increase. Compared to common laser welding, HW-A wobble laser welding best for wider seam welding and deep penetration welding.

Laser Power Options	Material and Thickness(mm)	Gas
1000W	Stainless Steel 1.5 (0.06")	Ar
	Carbon Steel 1.5 (0.06")	Ar
	Galvanized Sheet 1.2 (0.047")	Ar
	Aluminum 1.2 (0.047")	N2
1500W	Stainless Steel 2 (0.078")	Ar
	Carbon Steel 2 (0.078")	Ar
	Galvanized Sheet 1.5 (0.06")	Ar

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### Application and Samples

- The HW-A can be used in a wide range of industries such as kitchens, household appliances, advertising, molds, stainless steel doors and windows, handicrafts, household goods, furniture, auto parts, etc. It is also common in Firearms, Gift & Accessories, sheet metal, PCB, tools, advertisement, Medical, Packaging, Electronic, Semiconductor, etc.
- Handheld laser welder is a good substitution of the traditional electric welding, argon arc welding, and other processes.
- Portable design for lap welding, edge welding, angle welding, tailoring welding, fillet welding, etc.



Laser Welding Metal



Laser Welding Metal



Laser Welding Metal



Laser Welding Ring



Laser Welding Metal

### Technical Specs

Laser Power Options (Raycus)	1Kw, 1.5Kw	Welding Thickness Range	0.5-3 mm
Working Mode	Continuous/Adjustable	Cooling Method	Water Cooling
Wavelength	1070 nm	Dimensions	1200mm*680*1000mm 47.2" x 26.7" x 39.3" (L x W x H)
Fiber Optics Length	Standard 10 m (32 ft) or 15m(49 ft)	Weight	267lbs
Welding Speed Range	0-120 mm/s	Voltage	220 V Single Phase or 380 V, depend on the laser power

### Options and Accessories



Wire feeder



Nozzles

## ABOUT HAN'S LASER CORPORATION

Han's Laser Corporation is a wholly-owned subsidiary of Han's Laser Technology Group, a global industrial laser technology leader.

We are committed to providing our customers with the latest industrial laser machine technology to suit their particular needs better.

Headquartered in the U.S., employed by knowledgeable, trained personnel. Han's Laser is transforming the industry with our state-of-the-art machines.

Han's Laser Technology Industry Group Co., Ltd, a public company established in 1996, has become the Chinese national laser industry's flagship and one of the world's most famous laser equipment manufacturers. Han's Laser went public in Shenzhen Stock Exchange Market in 2004. And as of today, its market value reaches more than 7 Billion USD.

### CLIENTS

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ROBOT & AUTOMATED SYSTEMS

FLYING MARKING MACHINES

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