

Akson

ARCBRO LASER WELDING MACHINE 1000W/1500W/2000W



The most advanced and widely used welding method

Laser welding is a kind of processing method which uses high energy density laser beam as heat source to weld materials.

In recent years, due to the continuous development and progress of materials, technology and process, laser has been widely used in the welding and brazing of plastics, metals, etc., and will continue to replace the traditional welding methods such as argon arc welding in automobile, sensor, electronic and other industries.

Standard configuration



Conduction Type:
Fiber Laser



Laser Power:
1000w/1500w/2000w



Working Voltage:
220V/380V



Water Chiller:
Water table / Air draft table



Welding Ability:
Stainless steel 4mm
Carbon steel 4mm
Aluminum 2mm

Easy to operate

Simple and easy to operate, no deformation of the welding seam; stable laser output to ensure welding consistency; high power density after laser focusing; fast speed, great depth and small deformation; 360-degree micro-welding.

Fast welding speed

The welding speed is more than twice that of solid YAG laser welding, and 3-5 times that of argon arc welding; saves cost, stable and be easy.

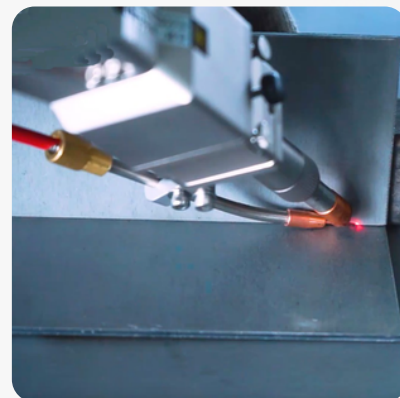
Beautiful welding process

Breaking through the limitations of the original workbench, it is suitable for all kinds of complex welding seams, and it is easy to weld any part of the workpiece at any angle. The humanized design and technology upgrade can weld beautiful welding seams.

Better welding performance.

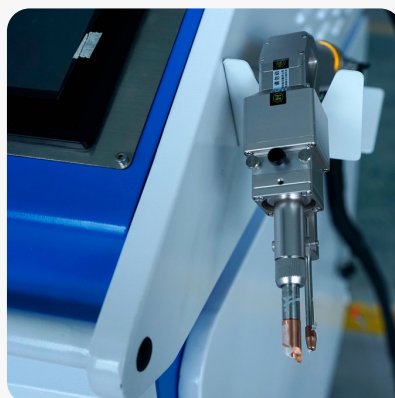
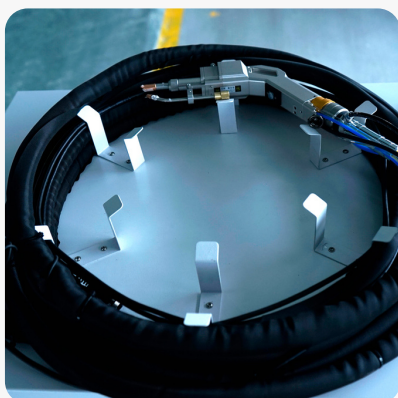
FEATURES AND ADVANTAGES

- Welding speed is fast, 2-3 times faster than traditional welding
- Welding consumables are less, long life, safer and environmental protection
- Smooth and beautiful weld, without secondary treatment, saving time and cost
- Welding work piece has little thermal influence and no deformation



Better Weld Forming

Swing the laser head, the beam can be adjusted 0.5-6mm, which makes up for the disadvantage of small spot of laser welding, expands the tolerance range and weld width of processing parts, and obtains better weld forming.



SPECIFICATIONS

Product Type	Laser Welding		
Model	Akson-1000	Akson-1500	Akson-2000
Laser power	1000W	1500W	2000W
Working voltage	220V	220V	220V/380V
Laser wavelength	1080nm		
Conduction type	Fiber laser		
Welding speed range	0~120mm/s		
Water chiller	Industrial constant temperature water tank		
Working environment temperature range	10~40°C		
Humidity range of working environment	<70% No condensation		
Welding ability	Stainless steel 4mm Carbon steel 4mm Aluminum 2mm	Stainless steel 5mm Carbon steel 5mm Aluminum 3mm	Stainless steel 6mm Carbon steel 6mm Aluminum 4mm
Welding seam requirements	≤0.5mm		

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ARCBRO TROUBLESHOOTING

You can buy any arcbro product without any hassle!

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