

bodor
Dare to dream

Self-cooling Handheld Laser Welding Machine

BodorWelder 1500 Pro



A strong welder handles all
tough welds with ease.



X-LAS

Bodor Welder

1500 Pro



Steady Power Guaranteed through Self-cooling Features

- 01** Constant Temperature Circulation, Bodor's self-innovated intelligent patent, accomplishes continuous welding easily.
- 02** Perfect, steady operations in extreme weather conditions and challenging workplace scenarios.
- 03** Bring exceptional advantages to welding metal in bending, hardness, and tensile strength.

Compact, Integrated Design

- 01** Less voluminous and more lightweight, no built-in water tank.
- 02** Eliminate the need for water changes or refills, minimizing labor costs.
- 03** 0.24m² covering area ensures work flexibility and convenience at different working locations.





Effortless Smart Knob Control

- 01** Adjust laser welding parameters (power, weld bead width, frequency, etc.) in one knob.
- 02** Select parameter settings from preset Bodor Welding Process Database.
- 03** Store customized welding parameters automatically.

Top-notch Performance Accredited by International Laboratories

- 01** Excellent welding quality tested in -20°C to 60°C lab conditions and in humidity levels of up to 90% for over 10,000 hours.
- 02** Consistent and high-speed welding across a diverse range of metal materials, resulting in smooth welding seams without deformation.
- 03** Provide a secure welding environment and safe operations for users.

Laser Welding vs. Traditional Welding

	LASER WELDING	TRADITIONAL WELDING
Welding Material	Metal	Metal
Width-to-Depth Ratio	<10	<2
Welding Speed	1m/min	0.2m/min
Thermal Deformation	Very Low	High
Welding Quality	Consistent superior quality Smooth welding seam High welding intensity	Heavy double welding Unaesthetic welding seam or gaps Low welding intensity
Physical Harm	Indirect Low radiation	Potentially being exposed to occupational hazards like glaucoma and pneumoconiosis

Machine Parameter

Output Power	1500W	Maximum Welding Material Thickness	4mm
Optical Fiber Cable Length	10m	Overall Weight	55kg
Cooling Method	Self-cooling	Dimensions	760mm×325mm×540mm
Laser Output	Continuous	Components	Handheld welding head, laser welding power source, wire feeder
Operating Ambient Temperature Range	-20°C – 60°C		

Nozzle Options (For various processing scenarios)

No.	AS-12	BS-16	BS-20	CS-12	CS-16	C	Cutting Nozzle
Welding Wire Diameters(mm)	0.8/1.0/1.2	1.6	2.0	0.8/1.0/1.2	1.6	-	-
Techniques	Flat fillet weld Inside corner weld Outside corner weld	Flat fillet weld Inside corner weld Outside corner weld	Flat fillet weld Inside corner weld Outside corner weld	Outside corner weld	Outside corner weld	Outside corner weld	Cutting

-20°C

60°C



Reliable in Extreme Cold and Heat



Self-cooling Technology



Continuous Laser Output

Give
me 5

WORLD
NO.1
FOR 5 YEARS
IN A ROW



Bodor, the world leading laser cutting solution provider

Founded in 2008, Bodor is a leading international laser solution provider, possessing independent intellectual property rights and core technologies. Our mission is to change human life with laser technologies. Aiming to leverage laser applications and create a revolutionary user experience, we assist manufacturing professionals in producing high-quality, cost-effective metal products using our innovative and reliable laser technologies. Bodor's products, including laser cutting and welding machines, find applications in sectors like automobiles, aviation, medical care, electronics, metal processing, and many more.



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