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แหลมทอง

BodorWelder

Self-cooling Handheld Laser Welding Machine

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Redefine Handheld Laser Welding with Self-cooling Technology

Reliable in Extreme Cold and Heat

Self-cooling Technology

Continuous Laser Output

Constant Temperature, Universal Reliability

Discover a superior welding experience with BodorWelder 1500, engineered to perform remarkably well in climatic extremities in humidity levels of up to 90%.

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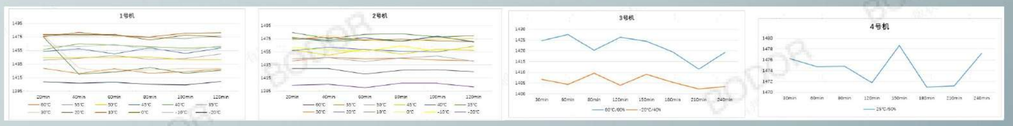
Temperature : -20°C Humidity : 81%

Continuous laser output

Our rigorous testing at the national-level enthalpy difference laboratory stands testimony to this claim, underscoring our commitment to providing an unwavering welding solution.

Welding Performance Test Report of BodorWelder 1500 in Extreme Cold and Heat



Objective:

To ensure the BodorWelder 1500 operates reliably across global climatic variances, we designed thorough tests emulating diverse climate scenarios, aiming to deliver enduring value and a premier user experience to our customers.

Test Outline:

Four BodorWelder 1500 units from the same production batch were tested under varying temperatures (-20℃ to 60℃) and humidity levels (30% to 90%). The tests were structured to gauge the machine's performance in transitioning temperatures and humidity, focusing on continuous light output capabilities.

Key Findings:

1. Continuous, flawless operation was recorded in the temperature range of -20℃ to 60℃ and humidity range of 30% to 90%.
2. Under sharp temperature fluctuations, the equipment maintained a stable light output with power oscillating between 1400-1430W.
3. In a controlled room temperature and humidity (25℃/50%), the light output power remained within the range of 1470~1480W.
4. The ambient temperature had no adverse impact on equipment operation throughout the testing period.

Test Duration: June 1, 2023, to August 30, 2023
Location: Shandong Boke Environmental Equipment Co., Ltd.

Temperature : 60°C Humidity : 90%

Continuous laser output

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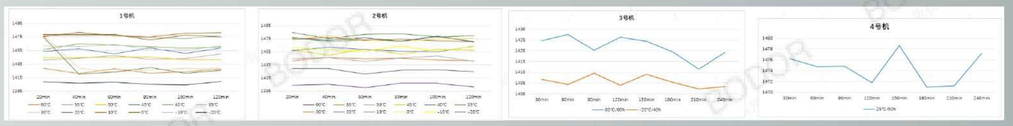
Welding Performance Test Report of BodorWelder 1500 in Extreme Cold and Heat



Objective:

To ensure the BodorWelder 1500 operates reliably across global climatic variances, we designed thorough tests emulating diverse climate scenarios, aiming to deliver enduring value and a premier user experience to our customers.

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Test Duration: June 1, 2023, to August 30, 2023
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International Accreditation

Our tests have been validated by the CNAS authoritative certification agency, revealing that steel processed with our self-cooling handheld laser welding showcased exceptional resilience in bending, hardness, and tensile strength tests. The weld quality was notably superior, exhibiting smooth, sturdy, and deformation-free seams.

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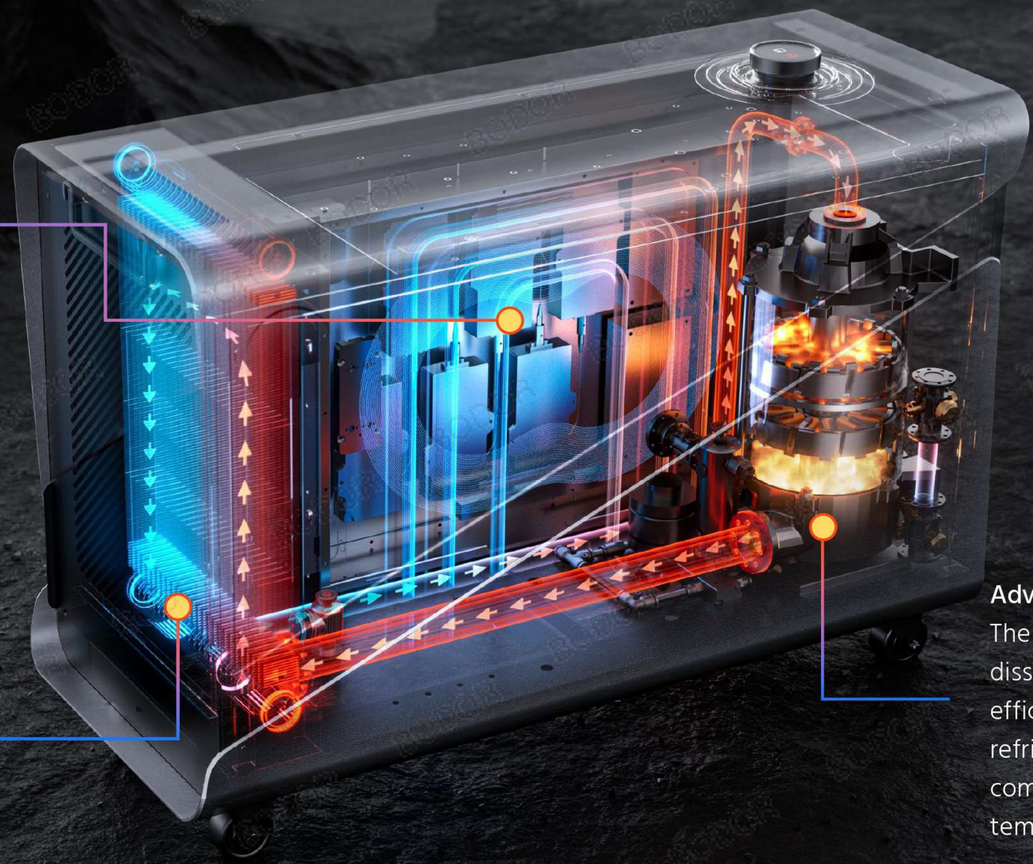
Innovative Features

High-Efficiency Laser Source
Our self-developed laser source guarantees lower heat generation while delivering a continuous high-energy beam, ensuring optimal welding performance.

Constant Temperature Circulation
Utilizing Bodor's patented Constant Temperature Circulation system, BodorWelder effortlessly maintains precise temperature control, facilitating continuous welding even in harsh conditions.

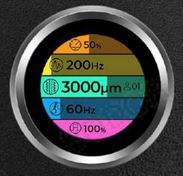


Advanced Cooling System
The high-performance condensing heat dissipation mechanism, combined with an efficient compressor and intelligent refrigerant control, keeps core components cool, unaffected by external temperature variations.

User-Friendly Interface

With a simple, intuitive knob-type interactive design, adjusting parameters and saving processes become a breeze, even for beginners.

Set parameters



Save techniques

Start welding

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Compact yet Potent

Unlike traditional water-cooled welding equipment, our self-cooling handheld laser welding design requires **no built-in water tank**, making it lightweight and portable. Despite its compact footprint of just 0.24m^2, it packs a punch thanks to our smart control constant temperature technology.

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Versatile Applications

BodorWelder comes with dedicated welding/cutting nozzles, making it adaptable to various processing scenarios, ready to meet diverse customer requirements.

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Machine Parameter

Output Power	1500W
Optical Fiber Cable Length	10m
Cooling Method	Self-cooling
Laser Output	Continuous
Operating Ambient Temperature Range	-20℃-60℃
Maximum Welding Material Thickness	4mm
Overall Weight	55kg
Dimensions	760mm×325mm×540mm

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Redefine Handheld Laser Welding with Self-cooling Technology

- Reliable in Extreme Cold and Heat
- Self-cooling Technology
- Continuous Laser Output

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เครื่องเชื่อมเลเซอร์ 1500W

BodorWelder 1500 Pro

ด้วยเทคโนโลยีระบายความร้อนด้วยตัวเอง (Self-Cooling) “ทำงานได้อย่างต่อเนื่องโดยไม่ต้องหยุดพักเครื่อง”

แหลมทอง

บริษัท แหลมทองซินดิเคท จำกัด เปิดรับ Pre-Order **เครื่องเชื่อมเลเซอร์ BodorWelder 1500 Pro** แล้ววันนี้ที่

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