

Bodor Air Series

Self-Cooling Handheld Laser Welder



Innovative Air Cooling Technology
Pioneers Continuous
Light Output



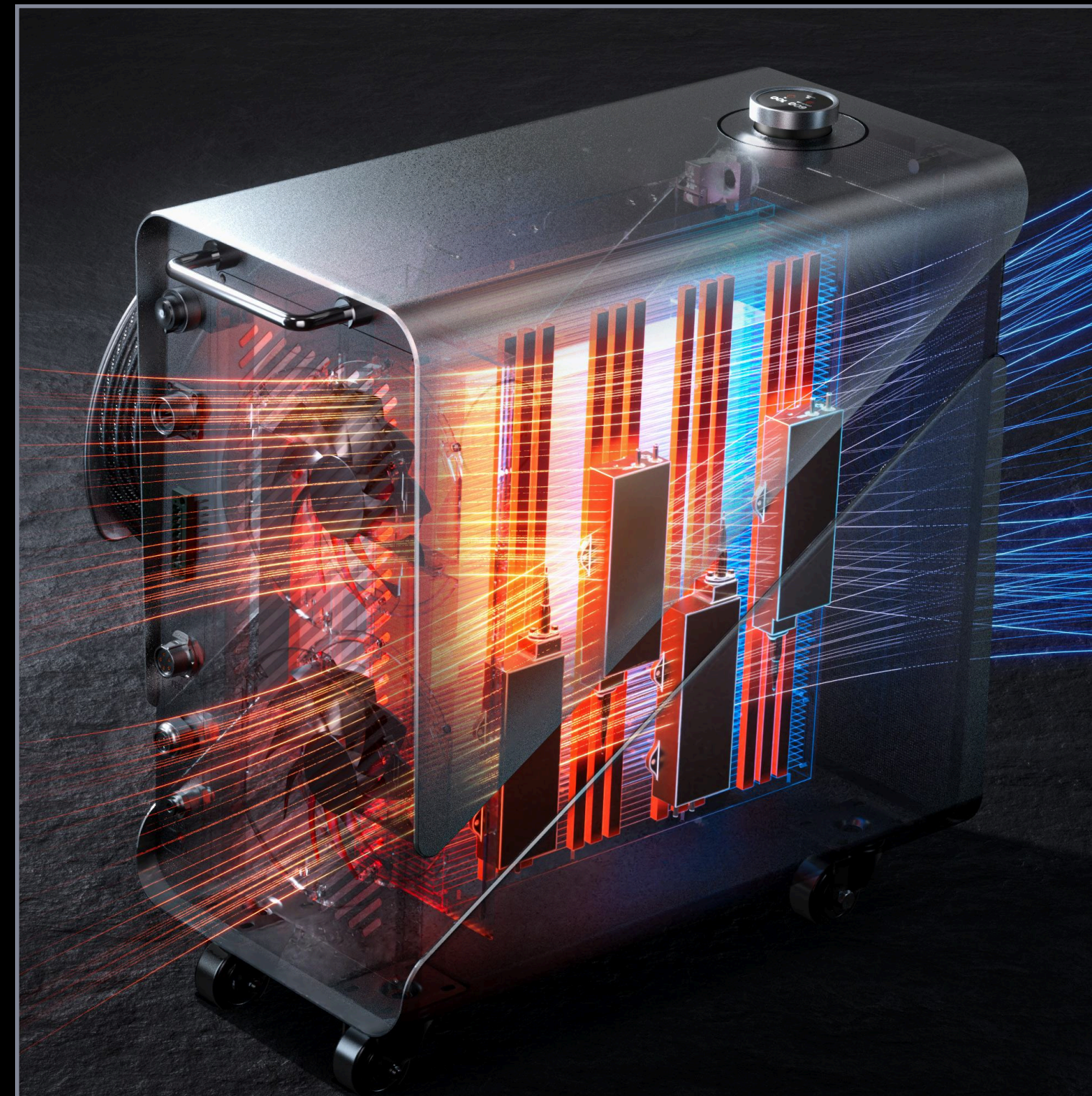
Unafraid of Extreme Temperatures, Continuous Light Output.

The self-developed intelligent circulation and constant temperature control technology surpasses the limitations of traditional air-cooling welding. For the first time in the industry, it achieves long-term continuous light output in temperatures ranging from -20°C to 40°C. Finishing Your Welding Perfectly.



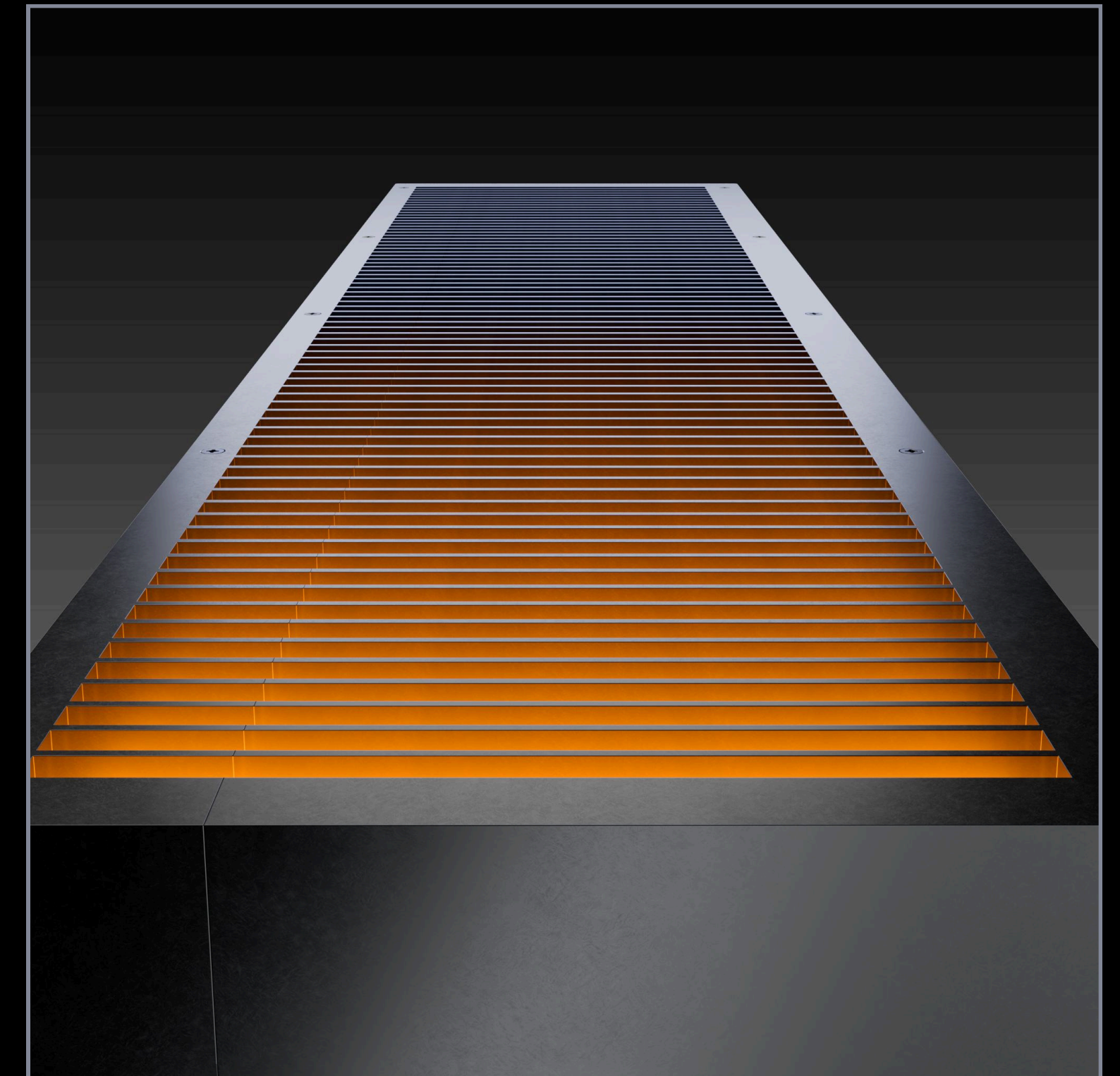
The advanced latent heat technology

Achieves high-speed hot and cold cycle conversion through phase change of the cooling medium.



The independent cooling air duct design

Ensures no heat overflow with quick heat dissipation.



The shovel-tooth fin structure

With better cooling material and wider cooling area, outputs heat in a continuous manner.

Steady Output At -20°C

It has undergone thousands of temperature tests in extreme cold conditions, maintaining output even in severe colds at -20°C in the state-level high and low-temperature laboratory.





广电计量检测集团股份有限公司
GRG METROLOGY & TEST GROUP CO., LTD.



校准证书 CALIBRATION CERTIFICATE

证书编号: Certificate No.	J202310243917A-0001		第 1 页 共 8 页 Page 1 of 8
委托方 Client	齐鲁中科光物理与工程技术研究院		
联络信息 Contact Inf.	济南市历城区经十东路464号		
仪器名称 Description	步入式高低温湿热循环试验箱		
型号/规格 Model/Type	EWER-B2-55-CP-AR	制造商 Manufacturer	巨贺仪器(北京)有限公司
出厂编号 Serial No.	MEA2307-002	管理号 Asset No.	-----
接收日期 Receipt Date	2023年11月03日 Y M D	校准日期 Cal. Date	2023年11月04日 Y M D
发布日期 Issued Date	2023年11月04日 Y M D		
批准 Approved by	林春江		
审核 Inspected by	张颖		
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齐鲁中科光物理与工程技术研究院
Institute of Optical Physics and Engineering Technology, Qilu Zhongke

Steady Output At 40°C

It has undergone thousands of temperature tests in high temperature conditions, maintaining output even at 40°C in the state-level high and low-temperature laboratory.





Recognized by the International Laboratory

Tests by the authoritative CNAS indicate that steel welded by the BodorWelder is strong and deformation-free and features smooth and aesthetically pleasing weld seams. The BodorWelder has demonstrated superior advantages in bending, hardness, tensile strength, and other aspects.



Self-developed Core Components Ensure Full Power Light Output

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Self-developed BodorPower perfectly matches the self-developed BodorThinker control system, achieving full power light output. With the processing of 4mm penetration, the 1200W self-cooling handheld laser welder can replace the 1500W water-cooling laser welder. Better welding results in lower power consumption.



Lightweight But High Performance

The powerful BodorWelder reduces its weight by **50%** and volume by more than half compared to water-cooling welding machines, showing its formidable strength anytime, anywhere.



One Knob Operation Be an Expert Instantly

The knob design is intuitive and easy to understand, paired with a comprehensive welding process database. By selecting the material thicknesses and types, you can complete the process setup. The welding effect and quality rival those of experienced welders, allowing you to master it immediately and become an expert quickly.



(Optional)

Wider Voltage Range Wider Application

The **100-240V** wide voltage design meets the electrical requirements of different regions. Whether indoors or outdoors, it ensures stable equipment power output, confidently starting the "highlight moments" of welding. No geographical limitations and starts to work easily.

240V
~
100V

Compact Size Great Potential

The Bodor self-cooling handheld laser welder occupies only **0.11m³**, showcasing its compact size. And it is highly promising due to its intelligent temperature control technology.

0.57m

0.53m

0.38m



The text 'Cutting/Cleaning' is positioned in the upper left quadrant. 'Cutting' is in orange and 'Cleaning' is in white, both in a bold, sans-serif font. The background is a blue-tinted image of a laser cutting process.

*At the full power condition,

Max. Cutting Thickness

4mm

Various types of sheets
can be cut with ease.

The text 'Always Shining' is positioned in the upper right quadrant in a white, bold, sans-serif font. The background is a yellow-tinted image of a laser cleaning process.

Max. Cleaning Width

120mm

Rust, paint, and other stains
can be effortlessly removed.

More Combinations More Choices

It is equipped with specialized welding/cutting nozzles, suitable for various processing scenarios, meeting diverse customer needs.

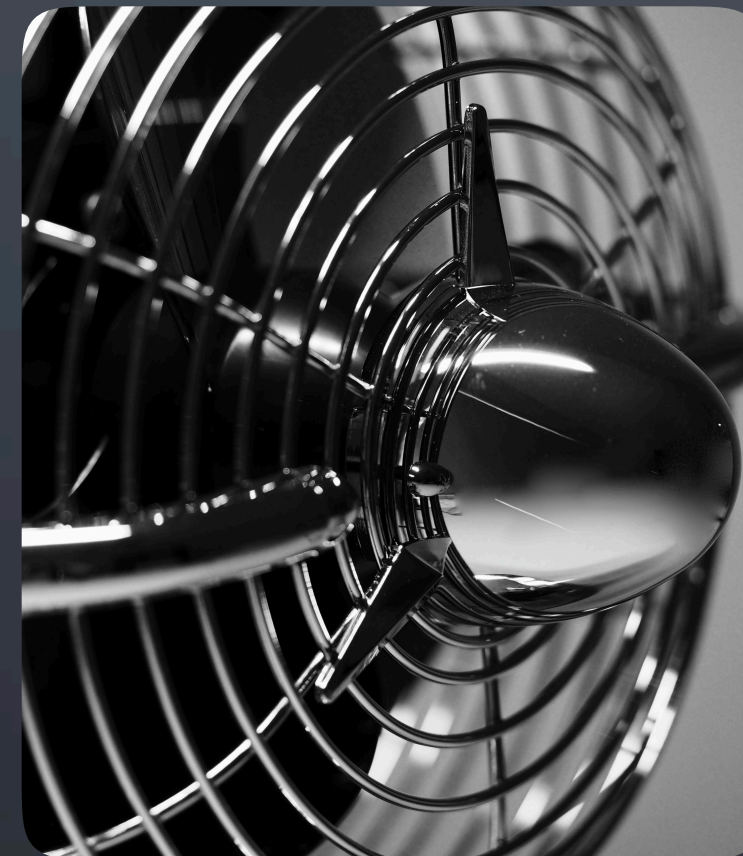




Self-Cooling Handheld Laser Welding Machine

Applicable Industries

Widely applied in kitchenware, sheet metal processing, stainless steel products, ventilation ducts, shelves, crafts, stair handrails, computer cases, furniture, home appliances and other industries.



Welder 功能参数



	Air 600	Air 900	Air 1200
Output Power	600W	900W	1200W
Length of Optical Fiber Cable	5m±0.5m	5m±0.5m	5m±0.5m
Cooling Method	Air Cooling	Air Cooling	Air Cooling
Constant Power Continuous Light Output	●	●	●
Operating Ambient Temperature Range	-20°C 至 40°C	-20°C 至 40°C	-20°C 至 40°C
Weight	CE : 57kg GB : 36kg	GB : 39kg	CE : 60kg GB : 42kg
Dimensions	530mm×380mm×530mm	530mm×380mm×530mm	530mm×380mm×590mm
Maximum Supported Wire Feed Diameter	1.6mm	1.6mm	1.6mm
Maximum Supported Wire Weight	25kg	25kg	25kg
Operating Voltage	100V~240V	200V~240V	200V~240V

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Dare to dream