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Bodor Air Series

Self-Cooling Handheld Laser Welder

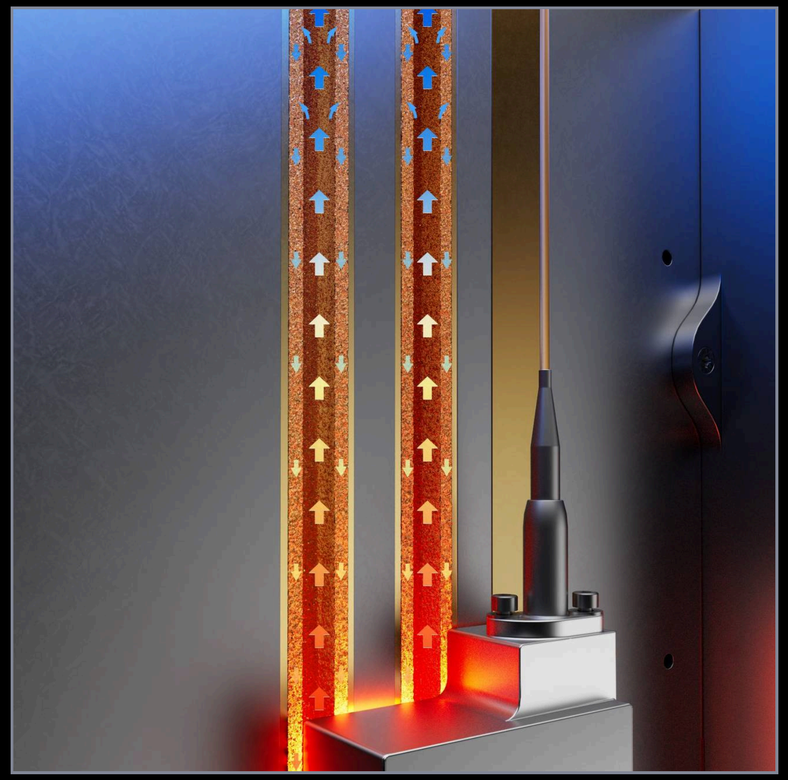


Innovative Air Cooling Technology Pioneers Continuous Light Output



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℃ to 40℃.
Finishing Your Welding Perfectly.



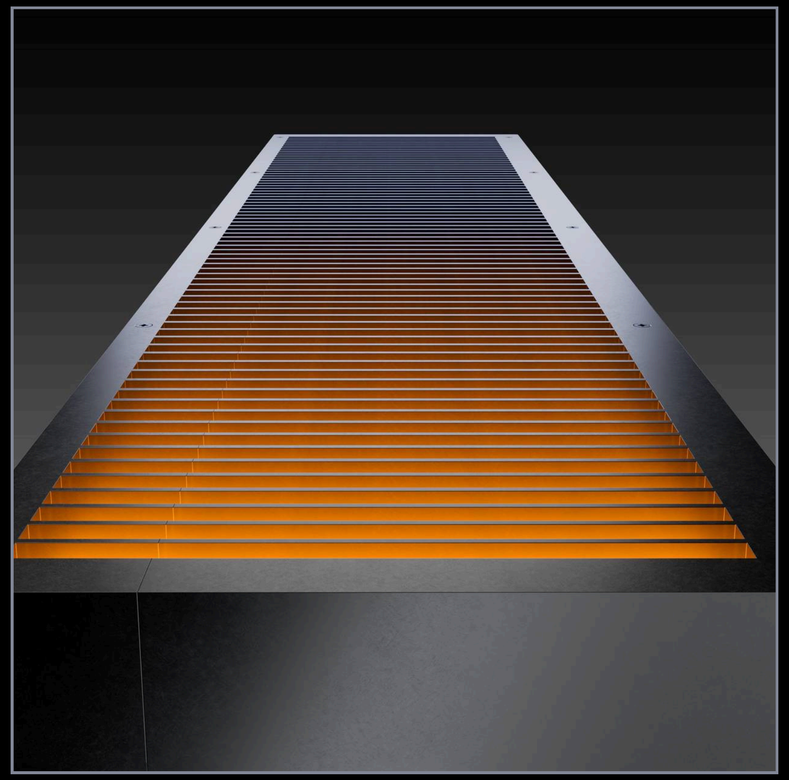
The advanced latent heat technology

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.

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Steady Output At -20℃

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



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GRG METROLOGY & TEST GROUP CO.,LTD.

校 准 证 书
CALIBRATION CERTIFICATE

证书编号 Certificate No. J20231024391?A-0001　　第 1 页 共 8 页 Page of

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　制造厂 Manufacturer　巨贸仪器（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　张楠

校 准 Calibrated by　周中超

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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℃

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



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委 托 方 齐鲁中科光物理与工程技术研究院
Client

联络信息 济南市历城区经十东路464号
Contact Inf.

仪器名称 步入式高低温湿热循环试验箱
Description

型号/规格 EWER-B2-55-CP-AR 制 造 厂 巨贸仪器（北京）有限公司
Model/Type Manufacturer

出厂编号 MEA2307-002 管 理 号 ------
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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

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

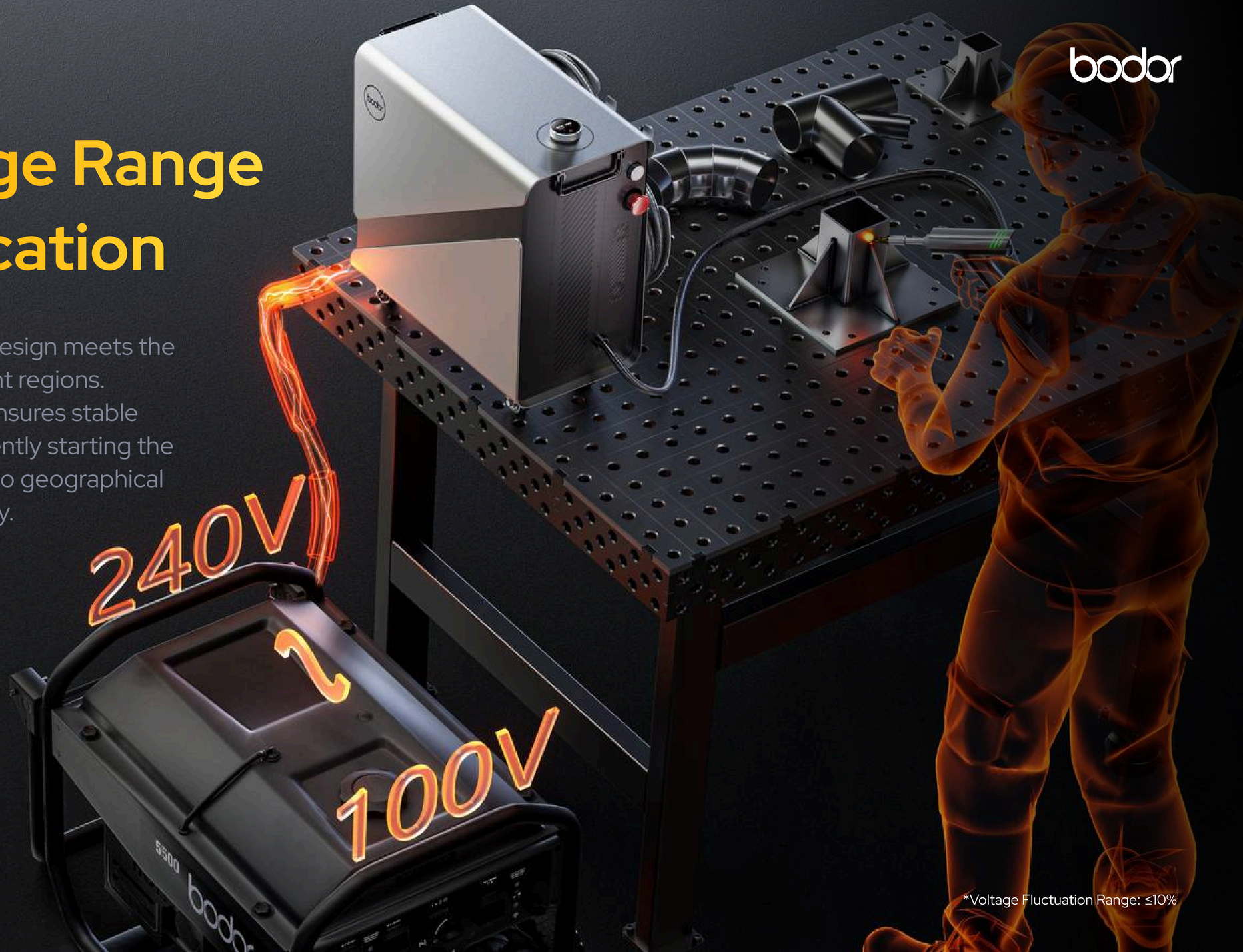
The knob design is intuitive and easy to understand, paired with a comprehensive welding process database. By selecting the material thicknesses and types, you can complete the process setup. The welding effect and quality rival those of experienced welders, allowing you to master it immediately and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



*Voltage Fluctuation Range: ≤10%

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.



Cutting/Cleaning Always Shining

*At the full power condition,

Max. Cutting Thickness

4mm

Various types of sheets
can be cut with ease.

Max. Cleaning Width

120mm

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

More Combinations
More Choices

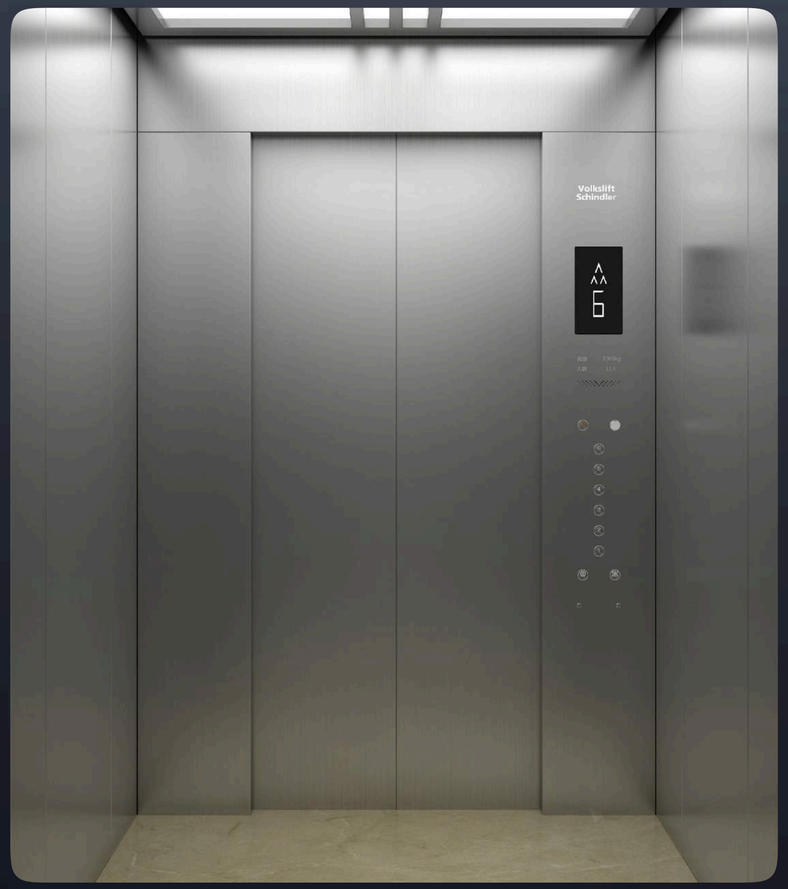
It is equipped with specialized welding/cutting nozzles, suitable for various processing scenarios, meeting diverse customer needs.







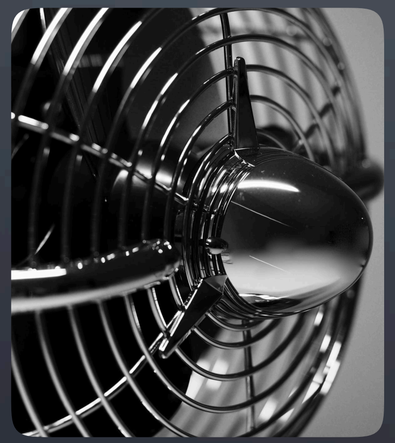




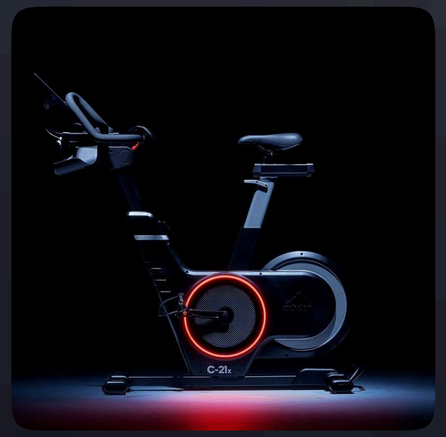
Self-Cooling Handheld Laser Welding Machine

Applicable Industries

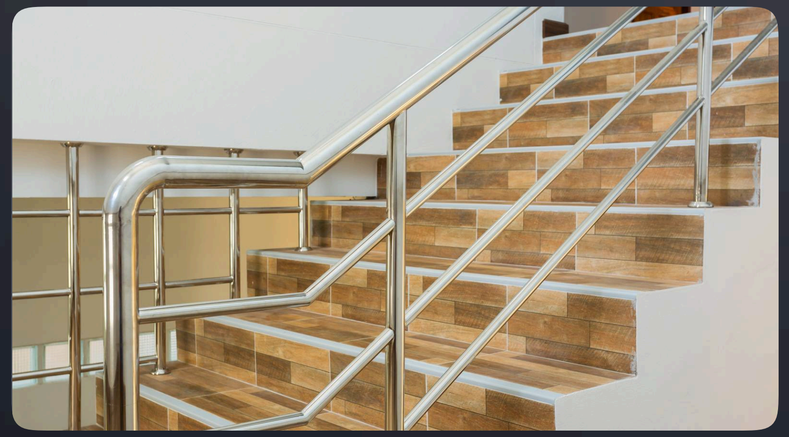
Widely applied in kitchenware, sheet metal processing, stainless steel products, ventilation ducts, shelves, crafts, stair handrails, computer cases, furniture, home appliances and other industries.













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℃ 至 40℃	-20℃ 至 40℃	-20℃ 至 40℃
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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Self-Cooling Handheld Laser Welder



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Dare to dream