

Air-Cooled Laser Welding Handheld

LWH1200-AS



- Advanced anti-reflective tech for aluminum & copper welding
- 3D phase-change cooling for continuous welding
- 110+ built-in presets for quick operation



Photoelectric efficiency $\geq 35\%$



Effortless welding of reflective materials



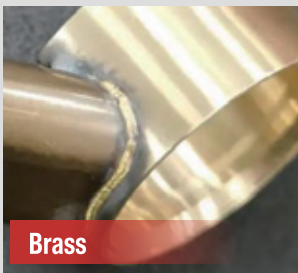
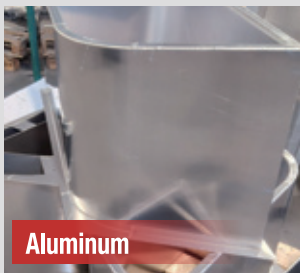
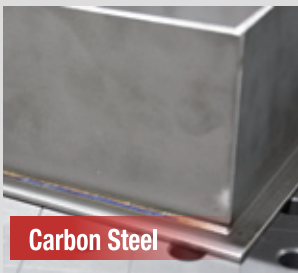
110+ built-in expert presets

TRUST / Reliable / Masterful

TRM®

Air-Cooled Laser Welding Handheld LWH1200-AS

Excellent penetration depth for versatile application scenarios



◎ Effortless welding of reflective materials

Advanced Anti-Reflective Technology enables stable welding of highly reflective materials such as aluminum and copper



Welding Performance

Material	Single-side penetration depth
Stainless Steel	4mm
Carbon Steel	4mm
Aluminum	4mm
Brass	3.5mm
Copper	1mm

TRUST / Reliable / Masterful

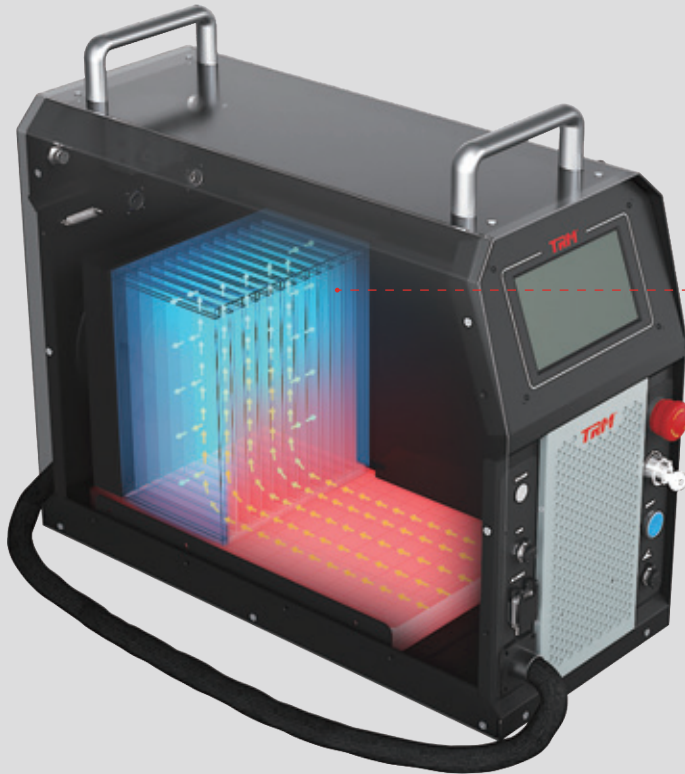
TRM®

Air-Cooled Laser Welding Handheld LWH1200-AS

Low energy consumption, high efficiency

Continuous laser output for 2 hours with power fluctuation $<2\%$

Power attenuation $<5\%$ across -10°C to 40°C

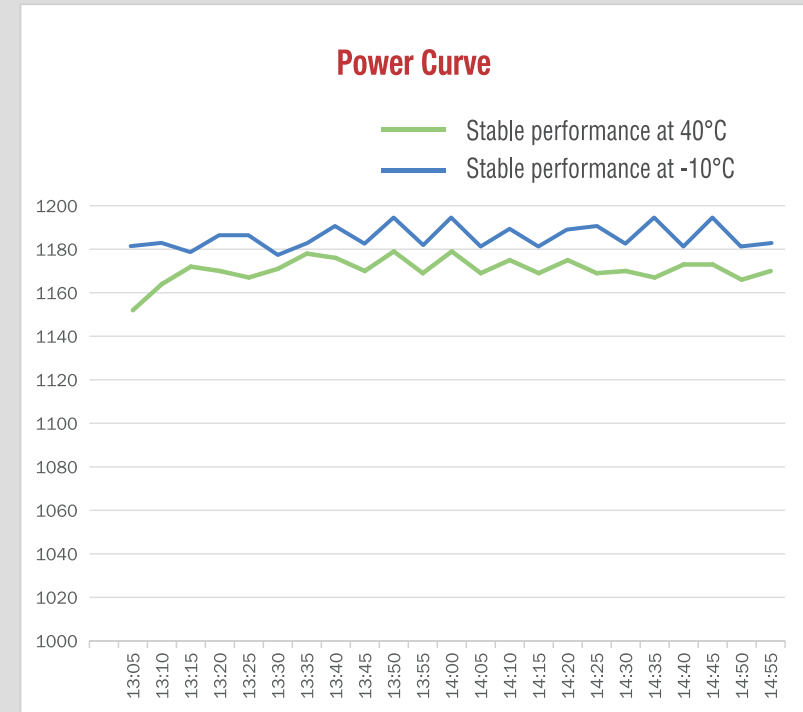


⦿ **3D phase-change cooling technology**

Stable operation across a wide temperature range from -10°C to 40°C .

⦿ **Supports continuous welding**

Stable output power ensures high efficiency and enables extended continuous operation without downtime.



TRUST / Reliable / Masterful

TRM[®]

Air-Cooled Laser Welding Handheld LWH1200-AS

110+ expert presets for quick operation



Optimized human-machine interaction (HMI)

- Industrial-grade touchscreen with stable and drift-free performance,
- Intuitive menu structure for user-friendly operation,
- USB-based upgrades for welding software, parameter database, and program backup.



✓ Integrated LED work light

✓ Laser emission status indicator

✓ Wire feeder control with enhanced safety features

✓ Ergonomic handle design for comfortable operation

TRUST / Reliable / Masterful

TRM®

Air-Cooled Laser Welding Handheld LWH1200-AS

Smoother wire feeding

- ⦿ Smooth wire feeding without clogging, jamming, or sticking
- ⦿ The system can connect up to four wire feeders simultaneously, ideal for multi-wire scenarios and minimizing the need for frequent wire changes.



TRUST / Reliable / Masterful

TRM®

Air-Cooled Laser Welding Handheld LWH1200-AS

Manual Torch or Automatic – Two in One



Manual Torch or Automatic

Integrates with both collaborative robots and industrial robots
Enables both manual and automated welding in a single system, allowing flexible switching between modes.

TRUST / Reliable / Masterful

TRM®

Air-Cooled Laser Welding Handheld LWH1200-AS

Ordering Information

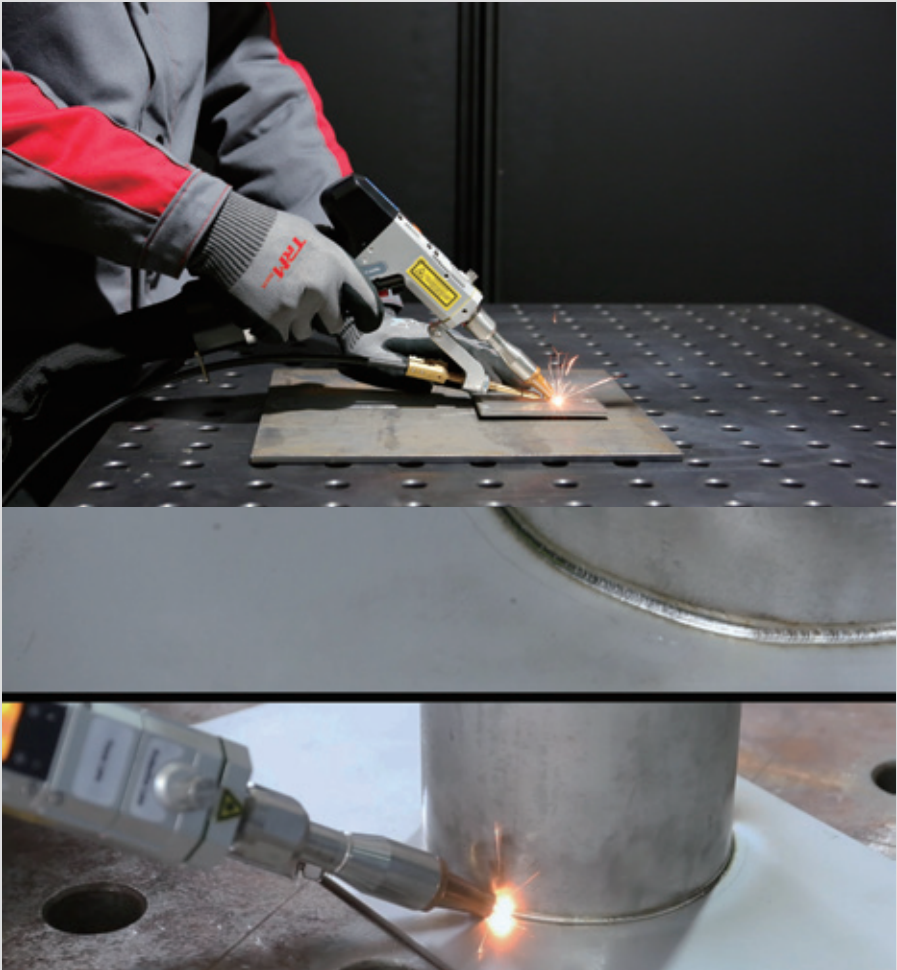
- ⦿ Air-cooled laser welding machine
- ⦿ Laser welding Torch
- ⦿ Wire feeder
- ⦿ Consumables & spare parts

*For additional applications, please contact our sales team.



Specifications

Model	LWH1200-AS
AC Input Power	230V ~ 20A 50/60Hz
Laser Power	1200 W
Laser Fiber Length	5 m
Dimension(L*W*H)	690*330*560 mm
Weight	41 kg
Operating Environment Temperature	-10℃ ~ 40℃



**25 years of welding expertise - from consumables
to automation and laser solutions.
TRM, built for your next step.**

TRUST / Reliable / Masterful



LASER WELDING



TRM Technology, Inc.

#9, Huanbaosanlu, Xinbei District,
Changzhou, Jiangsu 213034, China

Email: info@termmei.com
Web: www.trm-welding.com

