

LASER WELDING HANDHELD

- 🕒 *Long Time Continuous Welding*
- ⚙️ *Remarkable Smooth Wire Feeding*
- 🎯 *Enjoyable Work Experience*



NEVER COMPROMISE ON QUALITY

TRM[®]

PROVIDING SOLUTIONS TO YOUR CHALLENGE OF WELDING TASKS

Safe, No legal risk

- CE certificates issued by SGS
- Highest electrical safety - PL e
- Fully meet EU safety requirements

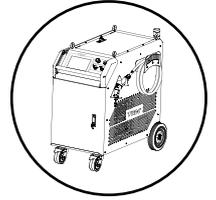
High quality welding

- Industrial heavy duty welding
- No undercut
- No wire sticking

Easy to operate

- Light torch, comfortable grip
- Expert Database, everyone can weld
- Complete technical documentations, training programs and support

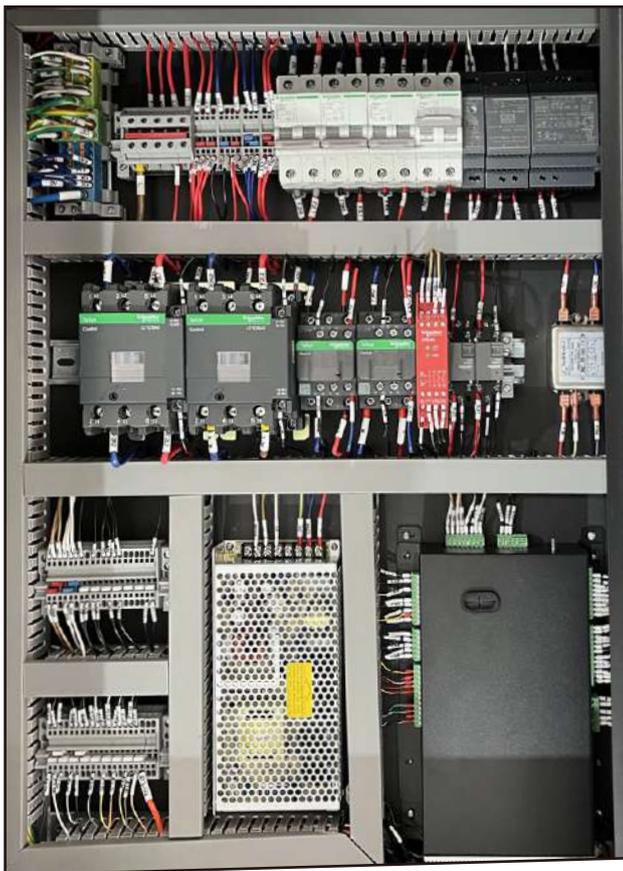
Highest electrical safety - PL e



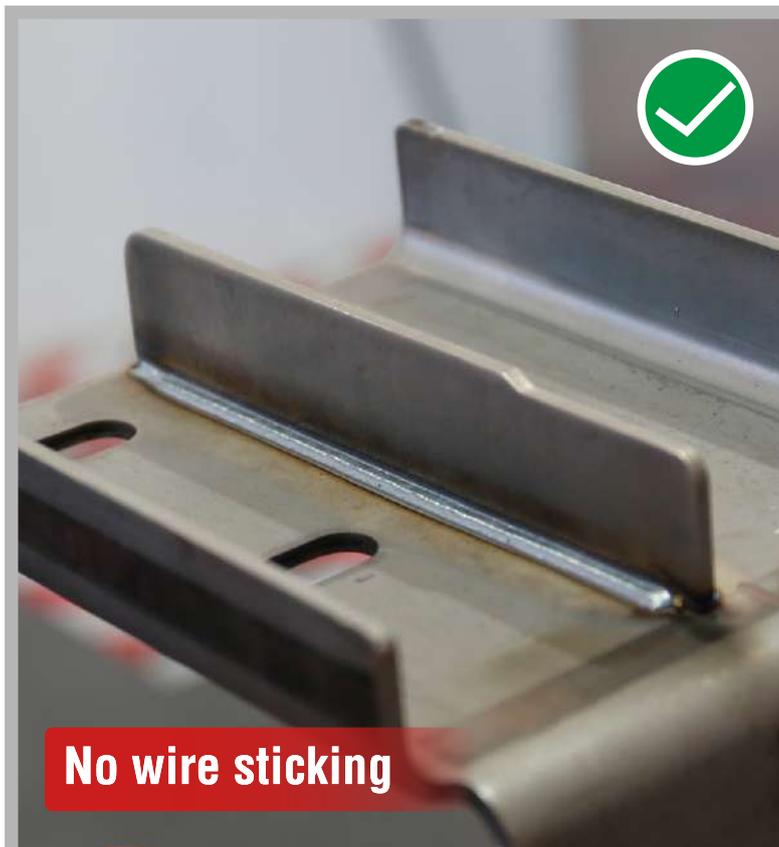
- Dual safety contact input
- Dual safety loop output
- Safety relay

Safety interlocks

- Helmet
- Protection enclosure

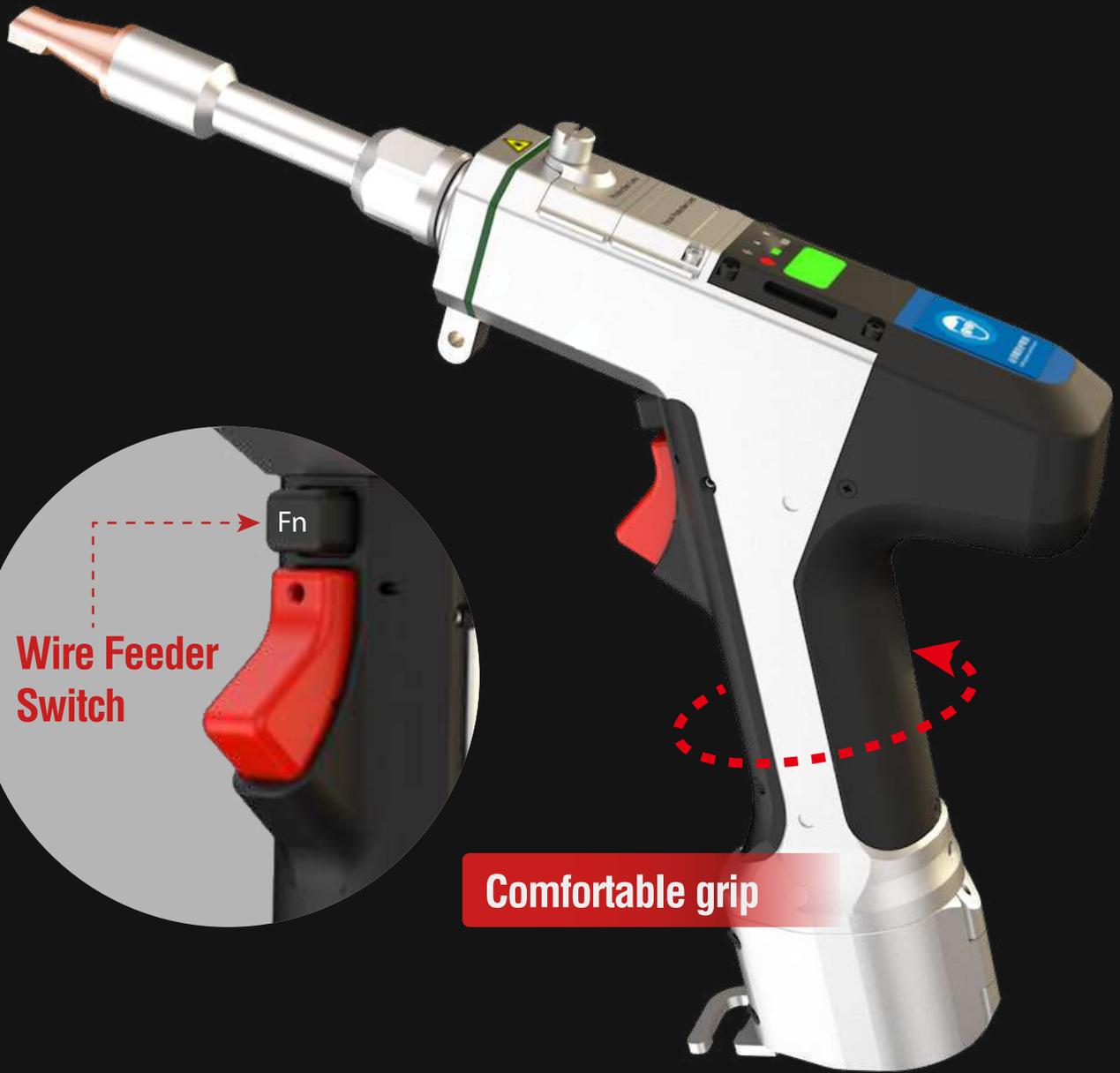
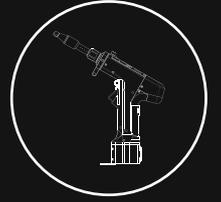


High quality welding performance



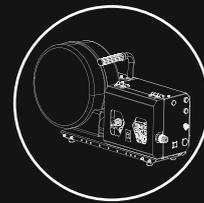
New TORCH ⚡

- Lighter weight
- Comfortable grip
- Wire feeder switch



Wire Feeder

- Straightener — No wire blockage
- Step Motor — High wire feeding accuracy
- CANBUS — Support up to 4 wire feeders at the same time



More Versatile

Multiple speed and work modes; can be used for both laser and arc welding



More precise control

Integrated stepper servo motor increases the control accuracy.



More stable wire feeding

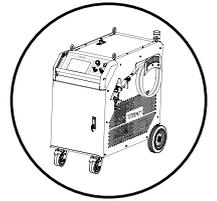
Two kinds of wire liners are available for 0.8-1.2mm & 1.6mm wires.



Smoother wire feeding

Equipped with a straightener, effectively reduced the occurrence of wire blockage.

Integrating chiller & wire feeder setup @ main HMI APP



- Friendly menu structure, easy to learn
- Setup the welder, wire feeder and chiller at one place, easy to use
- USB upgrade, Backup & Restore, easy to keep up-to-date



● **USB software upgrade**

● **USB Expert Database upgrade**

● **USB welding programs backup & restore**



Remote Display

- Installed close to where you work.
- Save time & save travel.
- Integrated E-STOP.



Service

■ Comprehensive training programs

- Factory training
- Online training
- Site training

■ Prompt online support

■ Spare parts programs

■ Technical documentations and videos



- NA
- EU
- ASIA



TRM Water-Cooled Laser Welding Handheld

Specifications

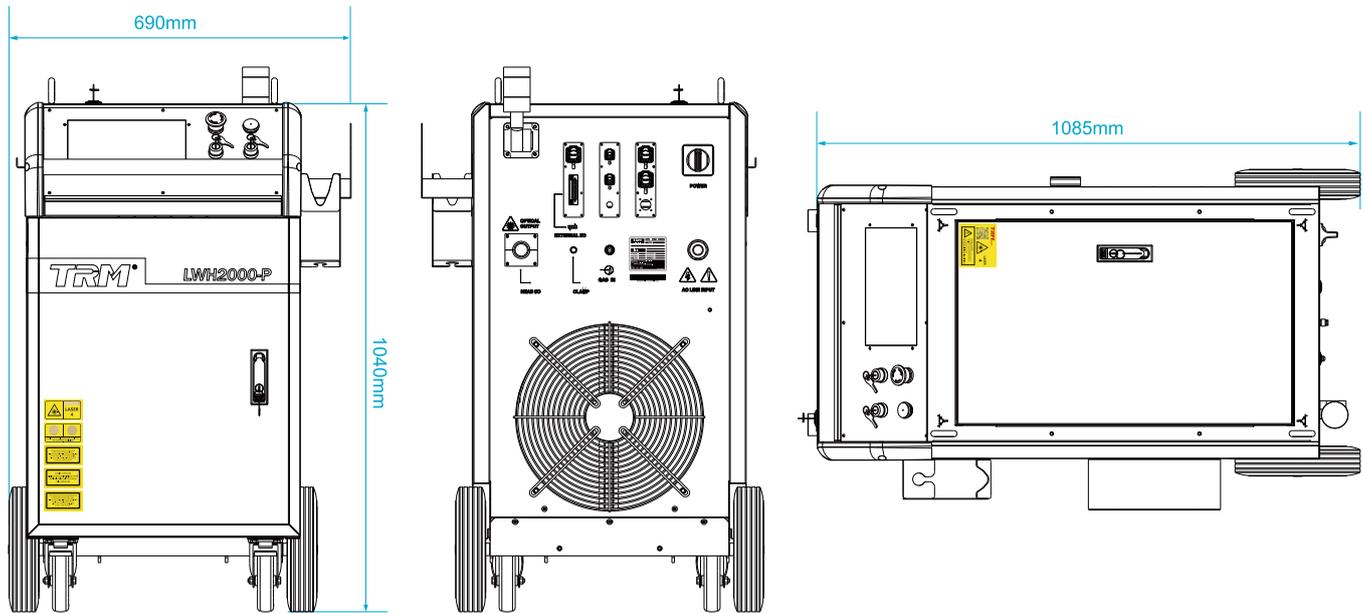
| | | | |
|-----------------------------------|-------------------|-------------------|-------------------|
| Model | LWH1500-P | LWH2000-P | LWH3000-P |
| Laser Media | Optical Fiber | Optical Fiber | Optical Fiber |
| AC Input Power | 230V~ 41A 50/60Hz | 230V~ 45A 50/60Hz | 380V~ 40A 50/60Hz |
| Wavelength | 1080±10nm | 1080±10nm | 1080±10nm |
| Laser Power | 1500W | 2000W | 3000W |
| Cooling Method | Water Cooling | Water Cooling | Water Cooling |
| Laser Fiber Length | 5m or 10m | 5m or 10m | 5m or 10m |
| Fiber Minimum Bending Radius | 250mm | 250mm | 250mm |
| Shielding Gas | Argon, Nitrogen | Argon, Nitrogen | Argon, Nitrogen |
| Rated Power | 8.8kw | 11kw | 15kw |
| Welding Machine (L*W*H) | 1130*690*1040mm | 1130*690*1040mm | 1130*690*1040mm |
| Wire Feeder (L*W*H) | 692*246*391mm | 692*246*391mm | 692*246*391mm |
| Weight | ~ 195kg | ~ 210kg | ~ 210kg |
| Operating Environment Temperature | 10 to 40°C | 10 to 40°C | 10 to 40°C |
| Workpiece Thickness (Suggested) | 0.4-4mm | 0.4-6mm | 0.4-8mm |
| Wire Diameter | 0.8/1/1.2/1.6mm | 0.8/1/1.2/1.6mm | 0.8/1/1.2/1.6mm |
| Refrigerant | R410A | R410A | R410A |

Wire Feeder Specifications

| | |
|---------------------------|-------------------------|
| Model | WF-01A |
| Rated Voltage | 85-264VAC |
| Rated Current | 2.6A/115VAC 1.3A/230VAC |
| Speed Range | 0-20m/min |
| Drive Mode | Four Drive Rollers |
| Recommended Wire Diameter | 0.8-1.6mm |
| Environmental Protection | IP2X |
| Product Weight | 16.5kg |

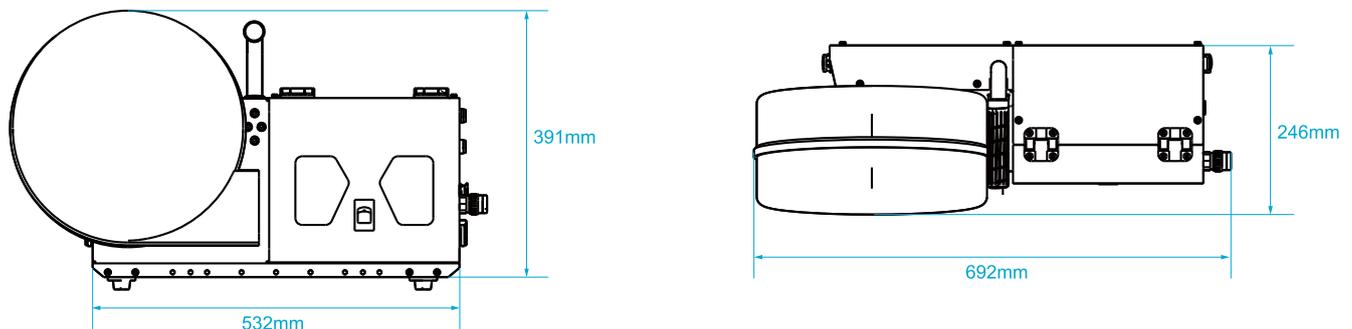
TRM Water-Cooled Laser Welding Handheld

Dimensions (unit:mm)



Wire Feeder

Dimensions (unit:mm)



The only way to be successful
in this booming laser market
is to choose a partner
who is **long-term vision**
and strong !

TRM is the ONE !



Download Catalogue Here.

TRM Technology, Inc.

Add: #9, Huanbaosanlu, Xinbei District,
Changzhou, Jiangsu 213034, China.

Tel: +86 519 8577 7780

Fax: +86 519 8577 7786

Web: www.trm-welding.com

Email: info@trm-welding.com

