

Choose **HPT**, Not Just for Equipment | But for **Peace-of-Mind Service**

From delivery and training to after-sales support,
four commitments safeguard every welding process.

1. Global Remote Support | Rapid Response, Reduced Downtime

Reach our support team via email anytime. We respond swiftly to minimize downtime risks.

2. Professional Technical Support | Parameter optimization for a quick start

Welding tests and parameter tuning ensure fast, optimal performance.

3. Original Parts Supply | Ample inventory for a worry-free supply

Ready stock of original parts ensures uninterrupted production.

4. Full Warranty | Reliable Care, Peace of Mind

Fast technical support and troubleshooting minimize your downtime.

Ready to Use • Full Standard Kit

Delivering Productivity, Not Just Equipment

Full kit included for instant production.

■ Core Precision Consumables

	Item	Quantity	Product No.
Nozzle Kit	Nozzle FAS-08	1 PC	MW010403331
	Nozzle FAS-10	1 PC	MW010403332
	Nozzle FAS-12	1 PC	MW010403333
	Nozzle FAS-16	1 PC	MW010403334
	Nozzle FC-20	1 PC	MW010403337
	Nozzle FS-01 (Pre-installed)	1 PC	MW010403336
	Scale Tube (Pre-installed)	1 PC	
	Wire Guide Tube	1 PC	MW010402308
	Contact Tip 0.8mm	1 PC	MW010403338
	Contact Tip 1.0mm	1 PC	MW010403339
	Contact Tip 1.2mm	1 PC	MW010403340
	Contact Tip 1.6mm	1 PC	MW010403341
Cleaning	Weld Seam Cleaning Nozzle F150	1 PC	MW010402140
	Cleaning Assembly (Cleaning Air Ring + Cleaning-Specific Focusing Lens)	1 SET	MW010402141
Lens	Protective Lens (1 Pre-installed + 4 Spares)	5 PCS	MW010403220
	Focusing Lens (Welding) (Pre-installed)	1 PC	MW010403208
	Focusing Lens (Cleaning) (Included in the cleaning assembly)	1 PC	MW010403209
	Reflective Mirror (Pre-installed)	1 PC	MW010403211
Wire Feed	Collimating Lens (Pre-installed)	1 PC	MW010403210
	Wire Feed Roller V0.8/V1.0 (Pre-installed)	2 PCS	MV970900105
	Wire Feed Roller V1.2/V1.6	2 PCS	MV970900106

■ Laser Safety Gear

Item	Quantity	Product No.
OD8+ Laser Safety Goggles	1 PC	MW010600108
Protective Gloves	1 Pair	

■ Cables & Hoses

- 3M Wire Feeder Power Cable
- 5M Wire Feeder Signal Cable
- 5M Wire Feed Tube (Product No. MW010402144)
- 4M Gas Hose
- 10M Safety Loop Cable

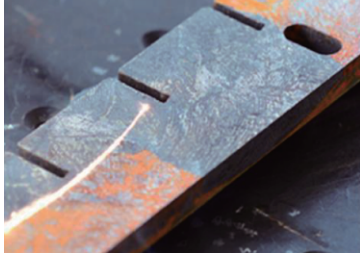
■ Cleaning & Maintenance Tools

- Torch Dust Cover (1 Set)
- QBH Dust Cover (1 Set)
- Torch Stand (1 PC)
- Torch Assembly Cable Bracket (1 PC)
- Cotton Swabs (1 Pack)
- Thread Seal Tape (1 Roll)
- Hex Key Wrench Set (1 Set)

Items with Product numbers are in stock for stable and fast supply.



Surface Cleaning (Rust Removal)



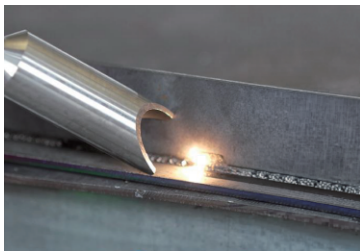
Instant Rust & Contamination Removal
Restores Metal to its Pure Original Finish



▲MW010402141 Cleaning Assembly
(Cleaning Air Ring + Cleaning-Specific Focusing Lens)

- **Non-Destructive High-Efficiency Purification:** Instantly removes stubborn rust, oil, and paint without damaging the base metal, significantly improving subsequent processing precision and adhesion.
- **Ultra-Wide Scan Field:** Built-in wide cleaning mode (up to 100mm) delivers maximum efficiency for large workpieces.
- **Rapid Module Switching:** Simplifies hardware swap! Power off, replace the **lens** and air ring, and enter the password for one-click activation of surface cleaning.

Weld Bead Cleaning



Non-Destructive Oxide Layer Removal
Perfectly Enhancing Weld Bead Craftsmanship



▲MW010402140 weld Seam cleaning nozzle(F150)

- **Precision Cleaning:** Removes oxide layers and burn marks without damaging the base metal, ensuring smooth welds.
- **12mm Coverage:** Cleans up to 12mm wide, safely covering most conventional joint areas.
- **Fast Switching:** Simply swap nozzles and change settings on the interface to start cleaning instantly.

HW2000-5 Five-in-One | Exclusive **Energy Storage Welding** Mode, Welcome to Compare and Purchase
Low average power + peak output narrows the heat zone for low deformation on thin plates.



Scan/Click to watch **YouTube**
Energy Storage Welding Test Video





Class 4 Laser Safety Warning

This high-power, high-energy laser causes skin burns and permanent vision damage from direct or indirect exposure. Operators must wear EN 207:2017 (OD8+, 900–1100 nm) compliant HPT-OD8+ goggles at all times.



▲MW010600108

OD8+ Laser Safety Goggles



Scan/Click to watch **YouTube**
Laser Safety & Operation Video

Laser Power Supply

【Raycus】Global Fiber Laser Leader

High Efficiency: >35% electro-optic efficiency saves energy.

Anti-Reflection: Stable output on aluminum and brass protects

Extends module lifespan with lower maintenance risks.



▲ZA010000011

2000W Laser Power Supply

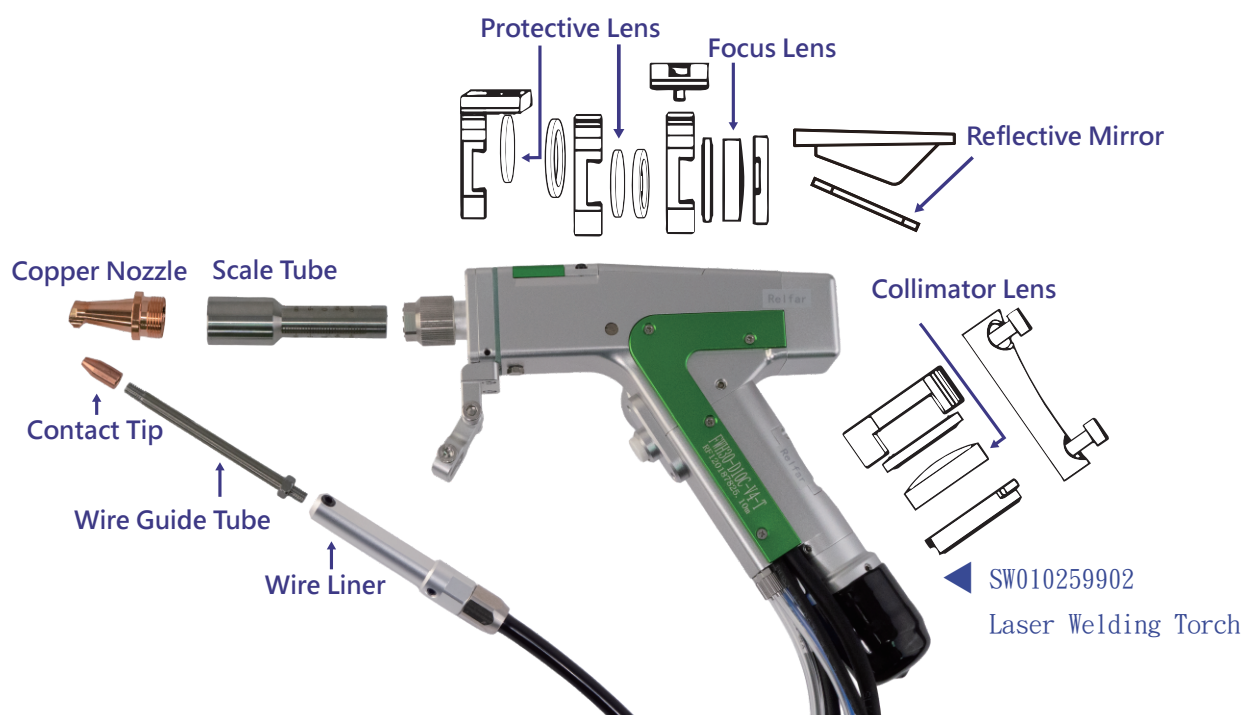
Laser Welding Torch and Accessories Structure Diagram

【Relfar】Dual-Axis Wobble Laser Welding Torch

Flexible: Precision dual-axis tech supports multiple wobble modes.

Stable: Ultra-stable output under continuous high-power operation.

Perfect Welds: Delivers uniform, smooth finishes for high-quality precision machining.



Dedicated for Laser Welding Torches | Copper Nozzle

Precision nozzles ensure smooth gas flow and wire feeding. Use original forged red copper nozzles for a stable arc and beautiful welds, preventing defects from third-party specification errors.

Product No.	Item	Application	Wire Size
MW010403331	Copper Nozzle FAS-08	[Standard] Fillet Welding	0.8mm
MW010403332	Copper Nozzle FAS-10	[Standard] Fillet Welding	1.0mm
MW010403333	Copper Nozzle FAS-12	[Standard] Fillet Welding	1.2mm
MW010403334	Copper Nozzle FAS-16	[Standard] Fillet Welding	1.6mm
MW010403337	Copper Nozzle FC-20	[Standard] Dedicated cutting nozzle, suitable for cutting various plates	-
MW010403336	Copper Nozzle FS-01	[Standard] Lap/Butt welding, ensuring flat and beautiful welds	-
MW010403328	Copper Nozzle FCS-08	[Optional] Outside Corner Welding	0.8mm
MW010403301	Copper Nozzle FCS-10	[Optional] Outside Corner Welding	1.0mm
MW010403302	Copper Nozzle FCS-12	[Optional] Outside Corner Welding	1.2mm
MW010403329	Copper Nozzle FCS-16	[Optional] Outside Corner Welding	1.6mm
MW010403330	Copper Nozzle FCS-20	[Optional] Outside Corner Welding	2.0mm
MW010403335	Copper Nozzle FAS-20	[Optional] Fillet Welding	2.0mm

Dedicated for Laser Welding Torches | Lenses

Laser lenses are critical to welding and cleaning quality. Original lenses feature high damage thresholds and superior thermal stability, ensuring precise focal spots and stable energy output during long-term operations. [Specification Units: D=Diameter, T=Thickness, F=Focal Length / Unit: mm](#)

Product No.	Item	Specs / Qty (Box)	Applications
MW010403220	Protective Lens	D25*T2 / 5PCS	First Defense: Blocks spatters and dust to protect core components.
MW010403208	Focusing Lens (Welding)	D20*F150 / 1PC	Deep Welding: Converges energy for fine, stable welds.
MW010403209	Focusing Lens (Cleaning)	D20*F1000 / 1PC	Wide Cleaning: Expands width for efficient rust, oil, and paint removal.
MW010403211	Reflective Mirror	L27*W14*T2 / 1PC	Low Loss: Dielectric coating minimizes optical energy loss.
MW010403210	Collimating Lens	D16*F40 / 1PC	Path Alignment: Maintains parallel beams for consistent accuracy.

Premium Kit Available for Purchase

The professional accessory pack includes:

Welding Copper Nozzles: Internal corner nozzles (0.8mm–1.6mm)
FAS-08, FAS-10, FAS-12, FAS-16

Cutting Assembly: Dedicated cutting nozzle (FC-20)

Wire Feeding System: Wire guide tube & contact tips (0.8mm–1.2mm)

Core Protection: Protective lenses (D25*T2) * 4 PCS

► [SJ010000138](#) Laser Welding Copper Nozzle Kit



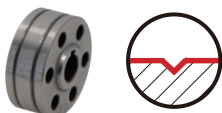
Wire Feeder Specific | Consumables

Welding Requirements

Stainless Steel / Carbon Steel

Aluminum Alloy / Copper

Choose "V-Groove" feed rollers for high grip, ensuring stability without slippage.



Choose "U-Groove" feed rollers to prevent deformation, ensuring gentle guidance.



Item / Product No.	Specifications	Applicable Wire Size
V-Groove Feed Rollers MV970900105	Ø37*Ø10*V0.8/1.0	0.8/1.0mm
V-Groove Feed Rollers MV970900106	Ø37*Ø10*V1.2/1.6	1.2/1.6mm

Item / Product No.	Specifications	Applicable Wire Size
U-Groove Feed Rollers MV970900107	Ø37*Ø10*U0.8/1.0	0.8/1.0mm
U-Groove Feed Rollers MV970900108	Ø37*Ø10*U1.2/1.6	1.2/1.6mm

Wire Liner



Item	Product No.	Specifications
Wire Liner	MW010402144	2.0mm*5M

Graphite Wire Liner



Item	Product No.	Specifications
Graphite Wire Feed Tubes	MW010402145	1.6mm*5M

Wire Guide Tube



Item / Specifications	Product No.
Wire Guide Tube	MW010402308

Contact Tips ↓



Item / Specifications	Product No.
[Standard] Contact Tip / 0.8mm	MW010403338
[Standard] Contact Tip / 1.0mm	MW010403339
[Standard] Contact Tip / 1.2mm	MW010403340
[Standard] Contact Tip / 1.6mm	MW010403341
[Optional] Contact Tip / 2.0mm	MW010403342

Original Parts & Full Technical Support

- **Genuine Guarantee:** Choosing HPT parts ensures long-term, stable operation. Our 100% compatible parts maintain consistent quality and extend laser component lifespan.
- **Genuine Guarantee:** Choosing HPT parts ensures long-term, stable operation. Our 100% compatible parts maintain consistent quality and extend laser component lifespan.
- **Expert Consultation:** Our local team provides operational and application support to quickly optimize your welding parameters and stability.
- **Rapid Maintenance:** Share your model, serial number, and issue for immediate diagnostics to minimize downtime risks.
- **Contact Us:** Welcome to email us. Our specialists will help match the most suitable welding configuration for you.

