VEYON
Laser Welding Machines

# Handheld Fiber Laser Welding Machine Cabinet:

# Handheld Fiber Laser Welding Machine

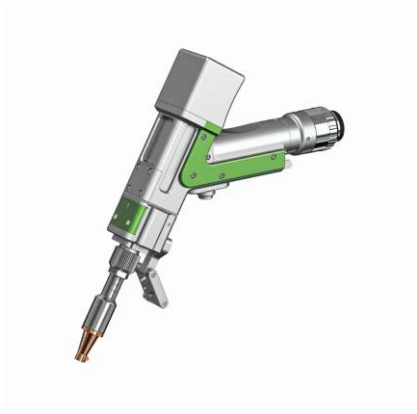
NW:120KG

# Handheld Fiber Laser Welding Machine

| power | 1kW/1.5kW/2kW/3kW |
|---|---|
| Laser Type | Fiber laser |
| Center wavelength | 1064nm±10 |
| Max Output Energy | 1kw/1.5kw/2KW/ 3KW |
| Modulation frequency | 1-20,000HZ |
| Red light indicates output power | 0.5~1mm |
| Fiber Cable length | 1kw/1.5kw/2kw is 10m<br>3kw is 20m |
| Fiber Core Diameter | 50μm |
| Total Power Consumption | 7.5kw(1kw laser source)<br>9kw(1.5kw laser source)<br>12KW (2KW laser source)<br>15KW (3KW laser source) |
| Rated Power | 220±10% V AC 、50/60Hz(1KW/1.5KW/2KW)<br>380±20% V AC 、50/60Hz(3KW) |
| Cooling Method | Water Cooling |
| Gross Weight/ Net Weight | 230kg(GW)/ 180kg(NW) |
| Machine Dimension (L*W*H) | 850*650*1035mm |
| Packing Dimensions(L*W*H) | 1290*780*1190mm |

# Laser welding head:

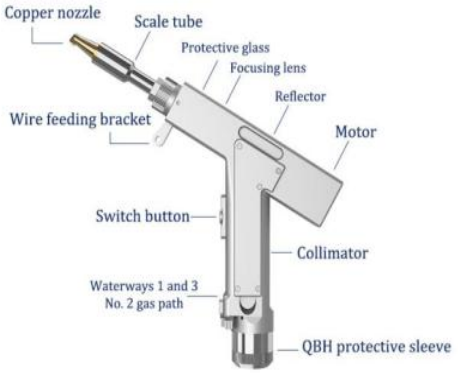
Relfar brand: 0.72kg



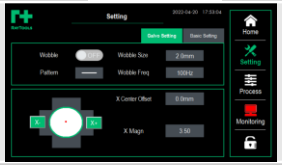
Raytool brand: 0.8KG

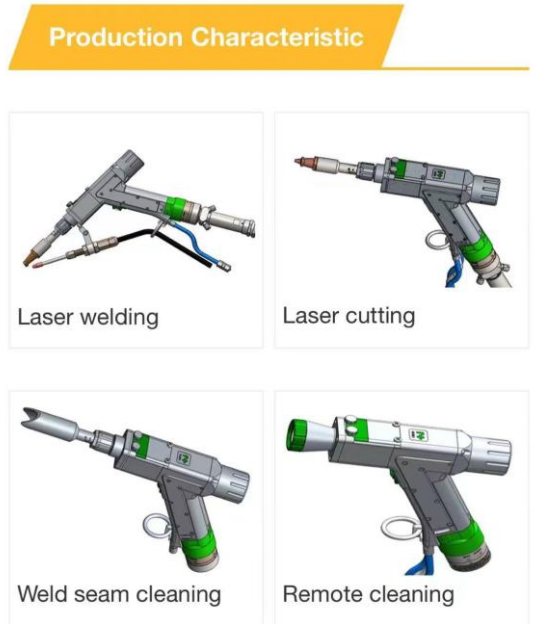
Qilin brand:0.85KG

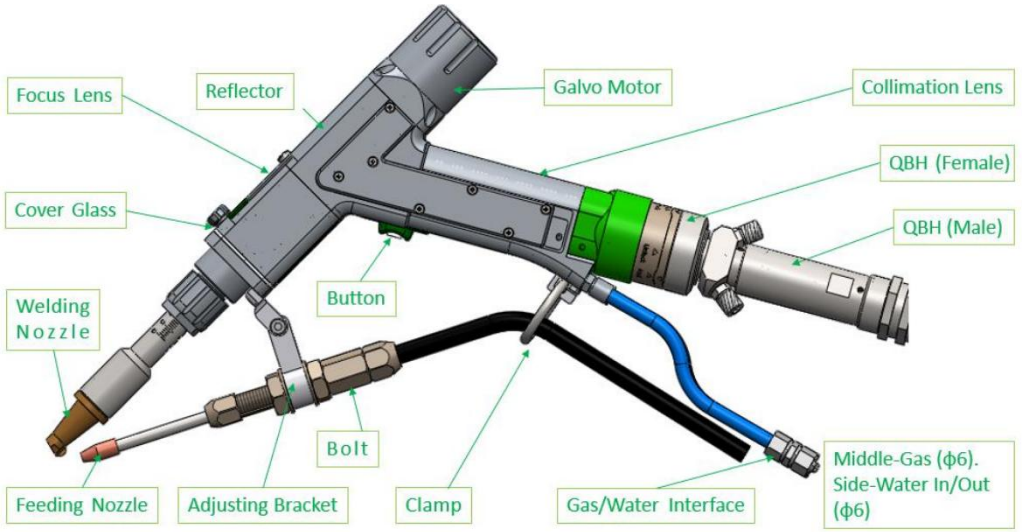
SUP brand: 0.7KG



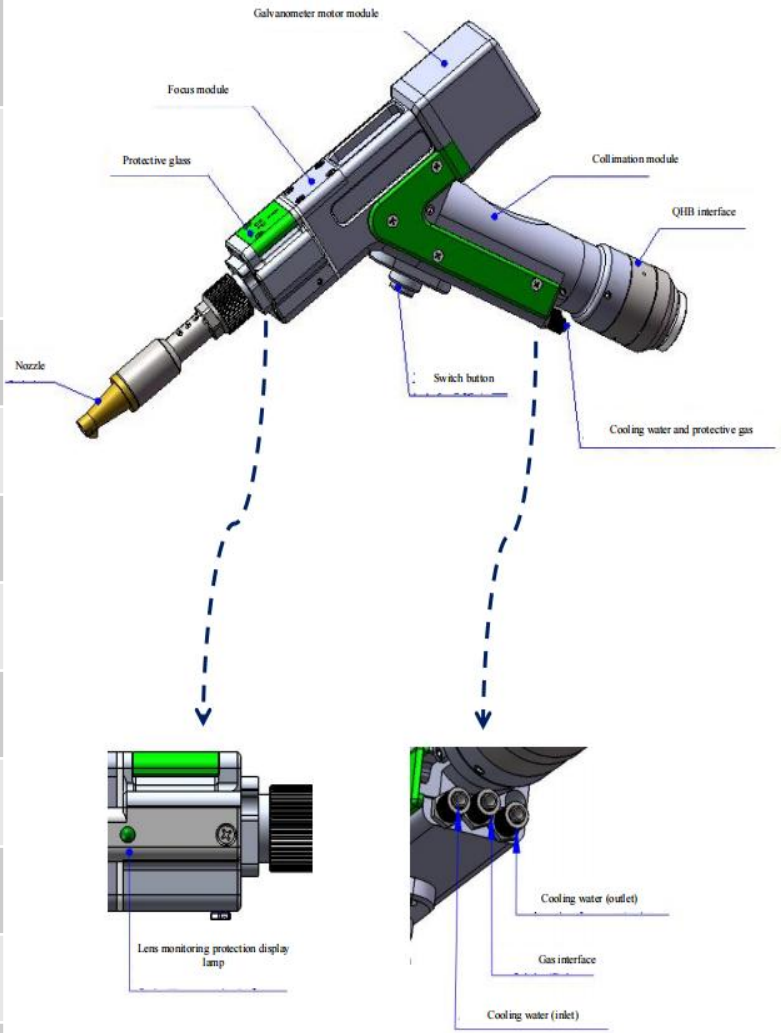

## Equipped wire feeding

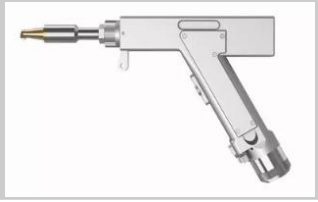
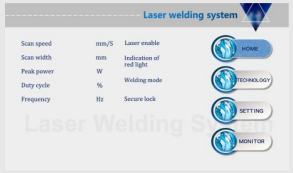
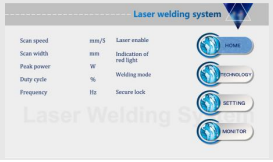
| Brand name | Raytools 4-in-1 |
| --- | --- |
| Picture | |
| Control Panel |  |
| Model | BW101-GS(Single Wobble)<br>Remote Welding/Cutting/Cleaning/Welding Seam Cleaning |
| Interface type | QBH |
| Wavelength range | 1070±20nm |
| Rated power | ≤3000W |
| Focus adjustment range | -10mm~+10mm |
| Spot adjustment range | 0 ~ 5mm;Cleaning 0~80mm |
| Collimation focal length | 50mm |
| Focus focal length | 150mm |
| Weight | 0.72kg |
| Wobble type | —, ○ |

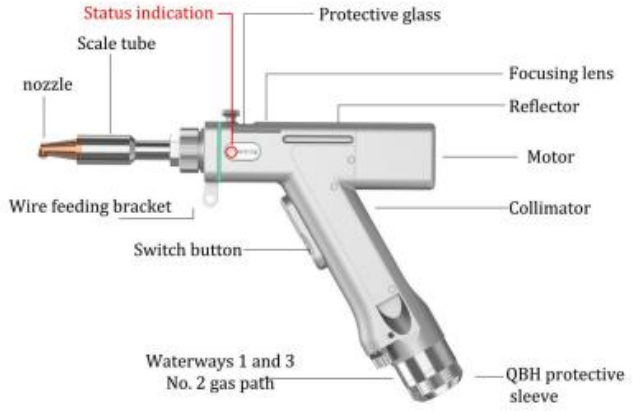


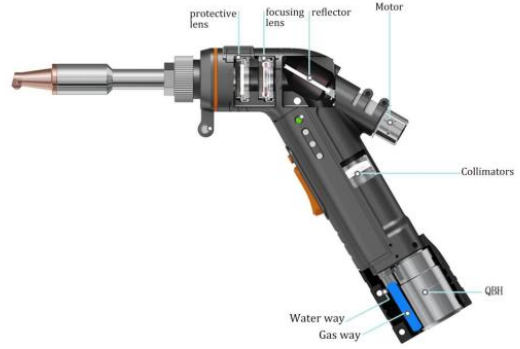



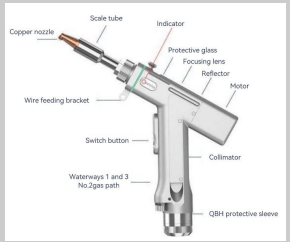
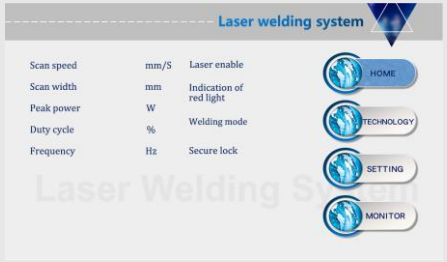
| Brand name | Relfar 5-in-1 | Relfar 4-in-1 |
|---|---|---|
| Picture | | |
| Model | FWH30-DS20E(Dual Wobble) Welding, cutting, remote cleaning, seam cleaning, energy storage welding | FWH30-D20C(Dual Wobble) Welding, cutting, remote cleaning, seam cleaning |
| Interface type | QBH | QBH |
| Wavelength range | 1070±20nm | 1070±20nm |
| Rated power | ≤3000W | ≤3000W |
| Focus adjustment range | -10mm~+10mm | -10mm~+10mm |
| Spot adjustment range | 0 ~ 8mm;Cleaning 0~110mm | 0 ~ 8mm;Cleaning 0~110mm |
| Collimation focal length | 50mm | 50mm |
| Focus focal length | 200mm | 200mm |
| Weight | 0.72kg | 0.8kg |
| Wobble type | —、O、∞、⧖、◎、△ | —, O, 8, ∞, ◎ and △ |



| Brand name | SUP23T 4 in 1 | SUP33T 4-in-1 |
|---|---|---|
| Picture |  | |
| Control Panel |  |  |
| Model | SUP23T(Single Wobble)<br>Welding/Cutting/Cleaning/Welding Seam Cleaning | SUP33T(Single Wobble)<br>Welding/Cutting/Cleaning/Welding Seam Cleaning |
| Interface type | QBH | QBH |
| Wavelength range | 1064±10nm | 1064±10nm |
| Rated power | ≤2000W | ≤3000W |
| Focus adjustment range | -10mm~+10mm | -10mm~+10mm |
| Spot adjustment range | 0 ~ 5mm | 0 ~ 8mm;Cleaning 0~120mm |
| Collimation focal length | 50mm | 50mm |
| Focus focal length | 150mm | 150mm |
| Weight | 0.8kg | 0.7kg |
| Wobble type | —, ○ | —, ○ |

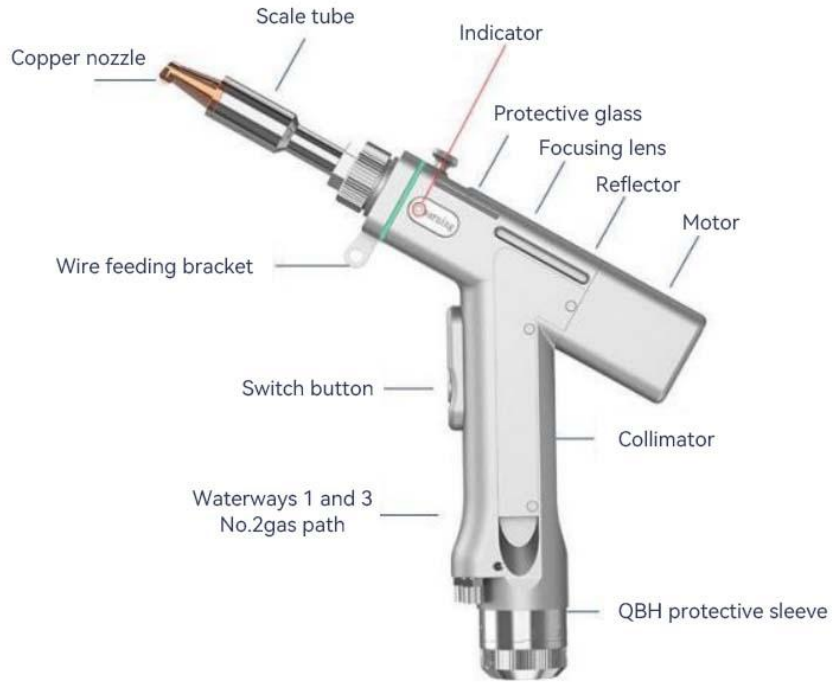


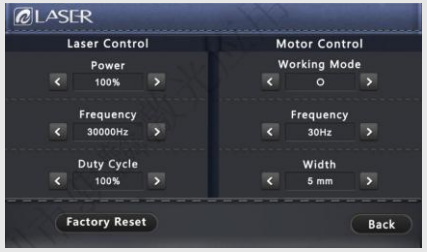
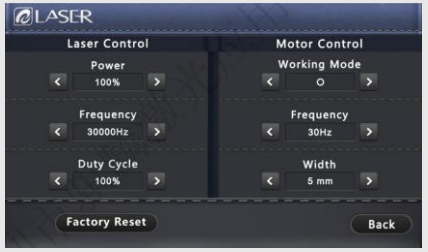


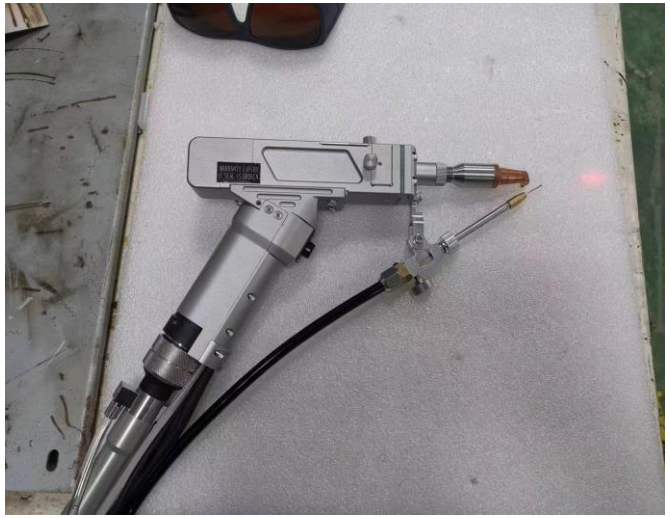
| Brand name | SUP23T |
| --- | --- |
| Picture |  |
| Control Panel |  |
| Model | SUP23T(Single Wobble) |
| Interface type | QBH |
| Wavelength range | 1064±10nm |
| Rated power | ≤3000W |
| Focus adjustment range | -10mm~+10mm |
| Spot adjustment range | 0 ~ 8mm;Cleaning 0~120mm |
| Collimation focal length | 50mm |
| Focus focal length | 150mm |
| Weight | 0.75kg |
| Wobble type | — O |

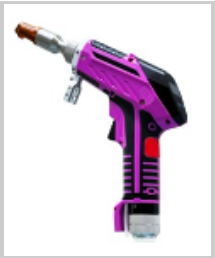
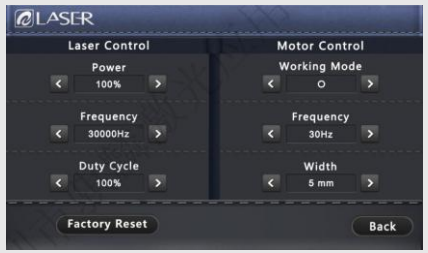
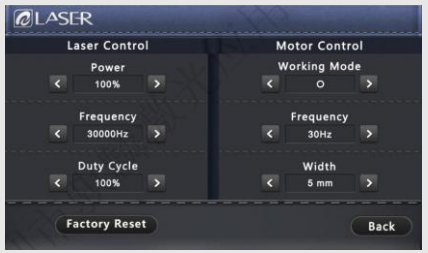


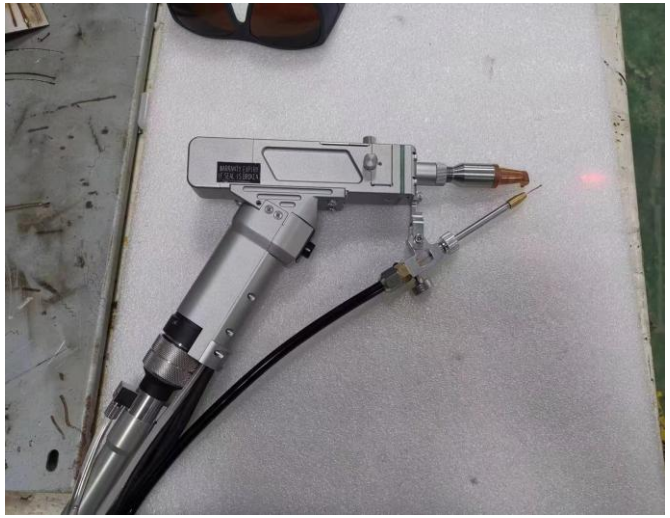
Added monitoring system to protective lens part.
When there is any abnormality in the protective lens, the indicator light will light up. Indicates that the lens needs to be replaced.



| Brand name | Qilin welding | Qilin welding |
|---|---|---|
| Picture | | |
| Control Panel |  |  |
| Model | DWT20(Single Wobble) | BWT20(Dual Wobble) |
| Interface type | QBH | QBH |
| Wavelength range | 1064±10nm | 1064±10nm |
| Rated power | ≤3000W | ≤3000W |
| Focus adjustment range | -10mm~+10mm | -10mm~+10mm |
| Spot adjustment range | 0 ~ 5mm | 0 ~ 5mm |
| Collimation focal length | 50mm | 50mm |
| Focus focal length | 150mm | 150mm |
| Weight | 0.75kg | 0.85kg |
| Wobble type | —, ○ | —, ○, 8, ∞, ◎ and △ |

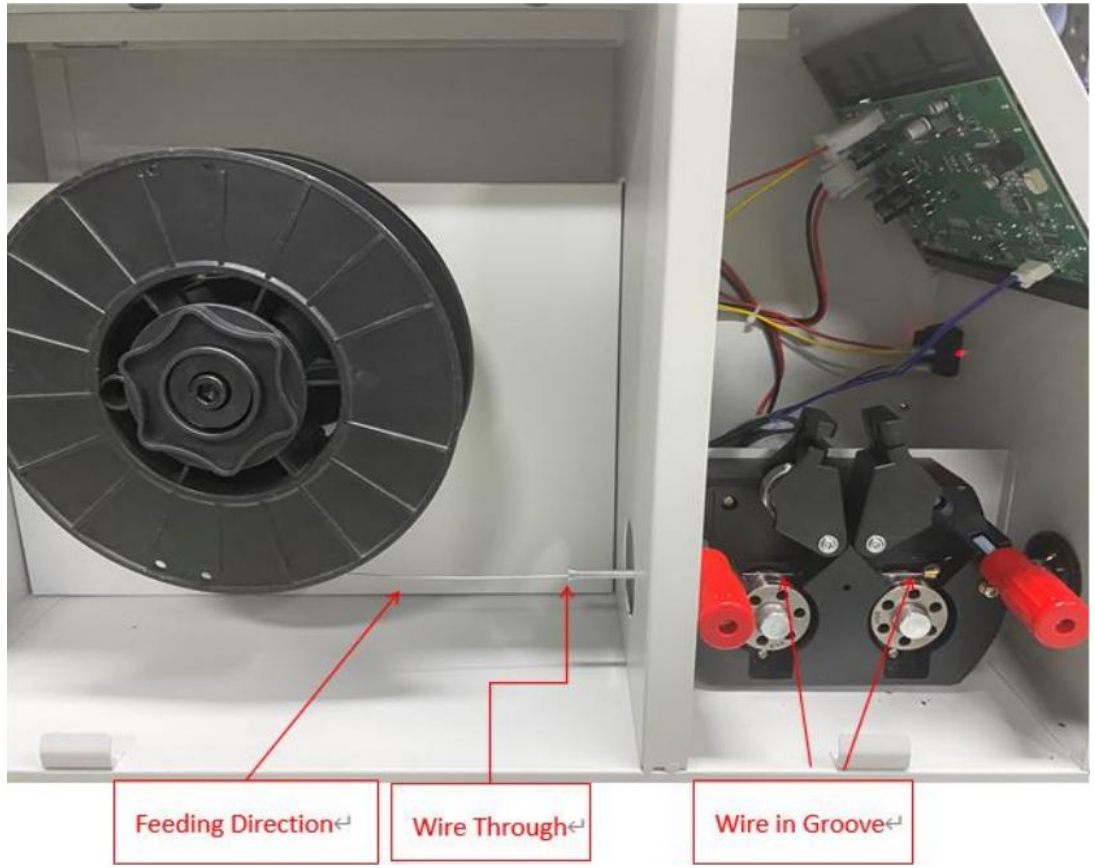


| Brand name | Qilin welding | Qilin welding |
|---|---|---|
| Picture |  | |
| Control Panel |   |   |
| Model | DWT22/DWT23(Single Wobble) | BWT21(Dual Wobble) |
| Interface type | QBH | QBH |
| Wavelength range | 1064±10nm | 1064±10nm |
| Rated power | ≤3000W | ≤3000W |
| Focus adjustment range | -10mm~+10mm | -10mm~+10mm |
| Spot adjustment range | 0 ~ 5mm | 0 ~ 14mm |
| Collimation focal length | 50mm | 50mm |
| Focus focal length | 150mm | 150mm |
| Weight | 0.75kg | 0.85kg |
| Wobble type | —, ○ | —, ○, 8, ∞, ◎ and △ |



# Feeding device

This feeding systm have stable feeding function, with strong anti-jamming.
1-2kw usually feeding 0.8mm, 1.0mm, 1.2mm wire.
3kw usually feeding 1.0mm, 1.2mm, 1.6mm, 2.0mm wire.
Single/Dual wire feeder optional.



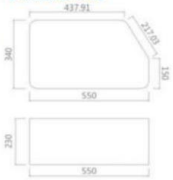

## SUP-AMF-A

**Multi-Function Automatic Wire Feeder**

**Features**

Touchscreen display, four-wheel dual-drive wire feeding mechanism, wire feeding speed of 15-600cm/min, continuously adjustable, supports continuous wire feeding mode and pulse mode

**Dimensions**




**Supports Wire Diameters**

0.8/1.0/1.2/1.6mm,
customizable for 2.0/2.5mm

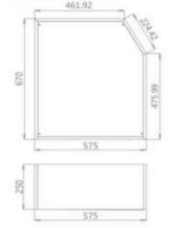
## SUP-AMF-D

**Multi-Function Automatic Wire Feeder**

**Features**

Touchscreen display, wire feeding speed adjustable from 15-600cm/min, supports continuous wire feeding mode, pulse mode, single wire mode, double wire mode, supports dual wire synchronization adjustment.

**Dimensions**




**Supports Wire Diameters**

0.8/1.0/1.2/1.6/2.0mm

**For Dual Wire Setup**
**Supports Wire Diameters**

1.6/2.0mm,
customizable for 2.5mm

## Gas: Argon is the best choice

It needs to be equipped with an argon meter, and the air pressure during welding is about 5-6bar (0.5-0.6Mpa)

| Spare Parts | Free Qty | Lifespan |
|---|---|---|
| Protective lens | 10pcs | 2-3 weeks |
| Focusing lens | 1pcs | More than 1 year |
| Collimating lens | 1pcs | More than 1 year |
| Reflective lens | 1pcs | More than 1 year |
| Nozzle pack | 1 pack | 4-6 months/PCs |
| Welding wire | 1 roll | Depends on works |

| PPE | Free Qty | Lifespan | Extra price |
|---|---|---|---|
| Helmet+ Gloves | 1 set | Always | $25/set |
| Safety galsses | 1pcs | Always | $25/pcs |

| Materials | Power | Welding Maximum Penetration(with wire feeding) | Maximum Weldable Thickness(with wire feeding) |
|---|---|---|---|
| SS (Stainless) | 1000w | 3mm | 4mm |
| | 1500w | 5mm | 6mm |
| | 2000w | 6mm | 8mm |
| | 3000w | 8mm | 10mm |
| CS/ MS/ Iron | 1000w | 3mm | 4mm |
| | 1500w | 6mm | 7mm |
| | 2000w | 8mm | 9mm |
| | 3000w | 9mm | 12mm |
| Aluminum/Brass | 1000w | 2mm | 3mm |
| | 1500w | 4mm | 5mm |
| | 2000w | 6mm | 7mm |
| | 3000w | 8mm | 9mm |
| Galvanized | 1000w | 2mm | 3mm |
| | 1500w | 4mm | 5mm |
| | 2000w | 6mm | 7mm |
| | 3000w | 7mm | 8mm |