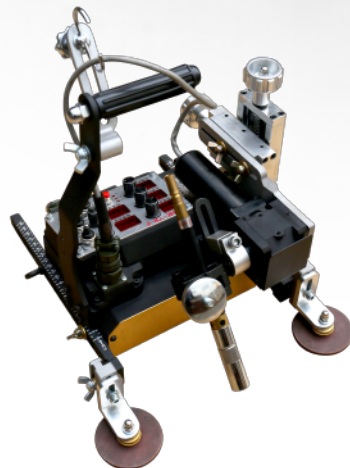


HK-7W-F

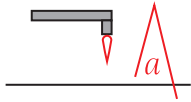
All Position Oscillating Automatic Welding Carriage

- Reduce labor intensity and improve working environment
- Improve work efficiency, 1.5 times that of manual welding
- Avoid poor quality welds caused by human factors. Usually manual defect rate is about 20%. The use of an automatic welding carriage did not result in a poor welding rate. So the overall efficiency than manual welding increase of nearly 200%.
- High degree of automation to ensure the stability of welding quality
- Unskilled skilled workers can also quickly master the operation. The HK-7W-F all-position oscillating automatic welding carriage was developed on the basis of a standard fillet carriage to obtain a large weld joint and one pass weld. It combines the simplicity and lightness of the standard fillet carriage, and further improves the welding efficiency.



Application:

- Trailer manufacturing
- Tank truck
- Oil tank
- Water storage tank
- Transformer
- Shipyard
- Any application requiring electric welding and continuous fillet welds



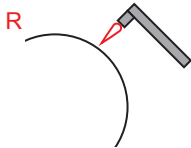
Oscillating angle $\pm 10^\circ$



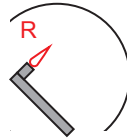
Horizontal welding speed
50–700mm/min



Vertical welding speed
50–600mm/min



External welding of tank
Minimum diameter $R \geq 1500\text{mm}$



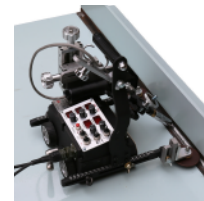
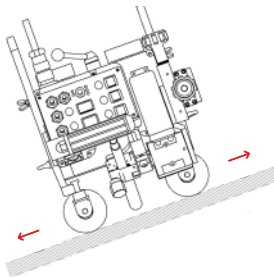
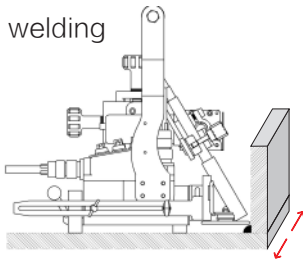
Internal welding of tank
Minimum diameter $R \geq 1500\text{mm}$



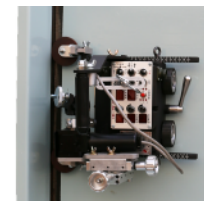
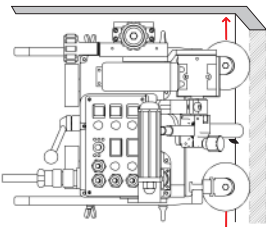
Weight 9.3kg (lbs)

Applicable welding:

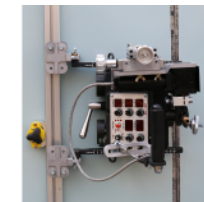
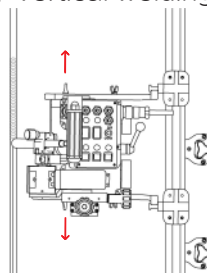
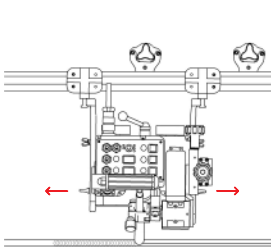
Flat fillet welding



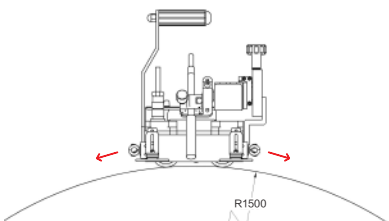
Vertical fillet welding



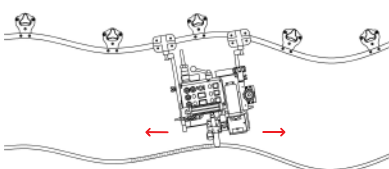
Plane butt welding、horizontal welding、vertical welding



Tank welding, Minimum diameter $R \geq 1500\text{mm}$



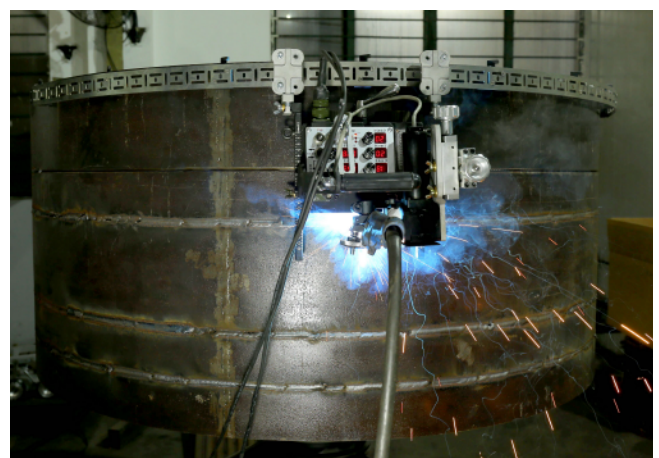
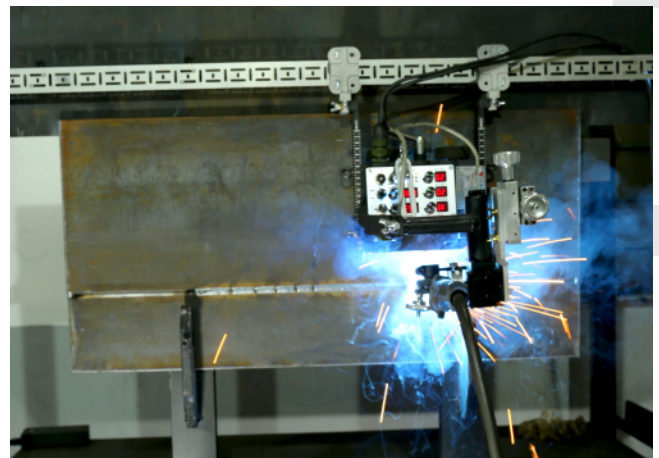
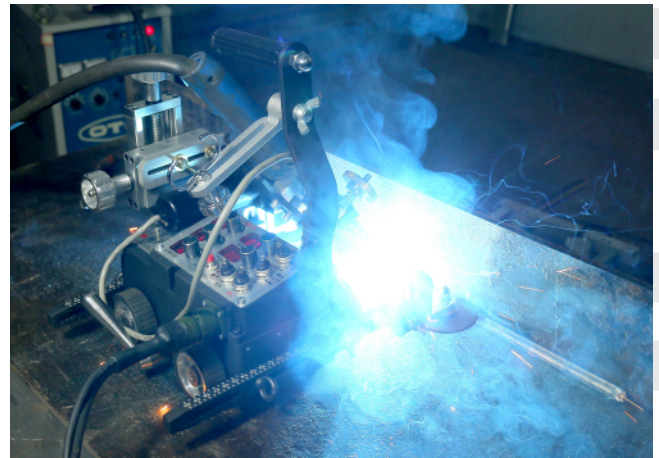
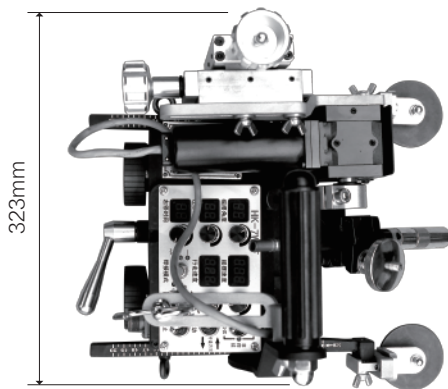
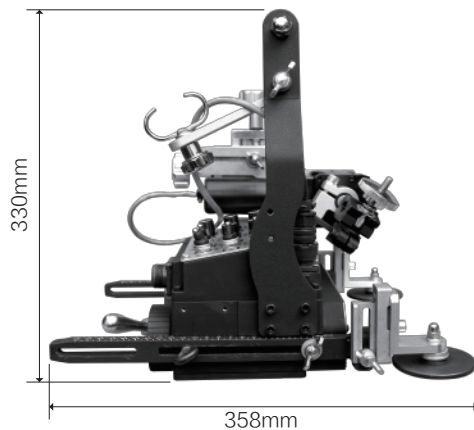
Curve welding on 3D track

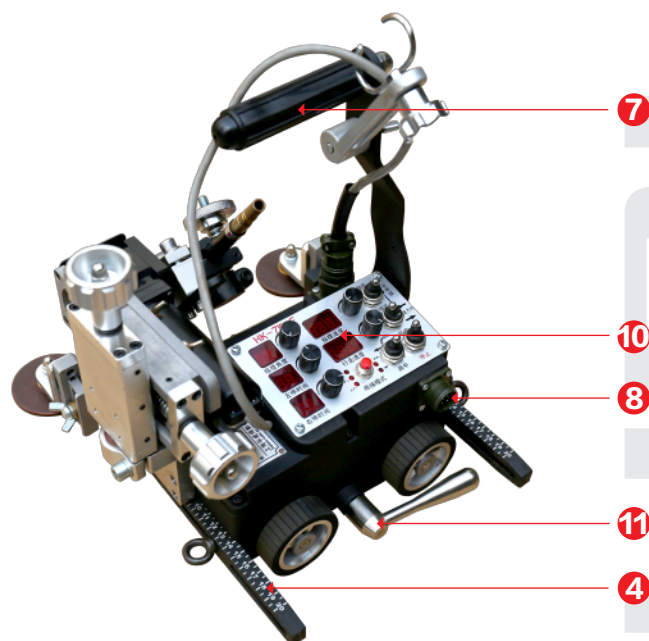
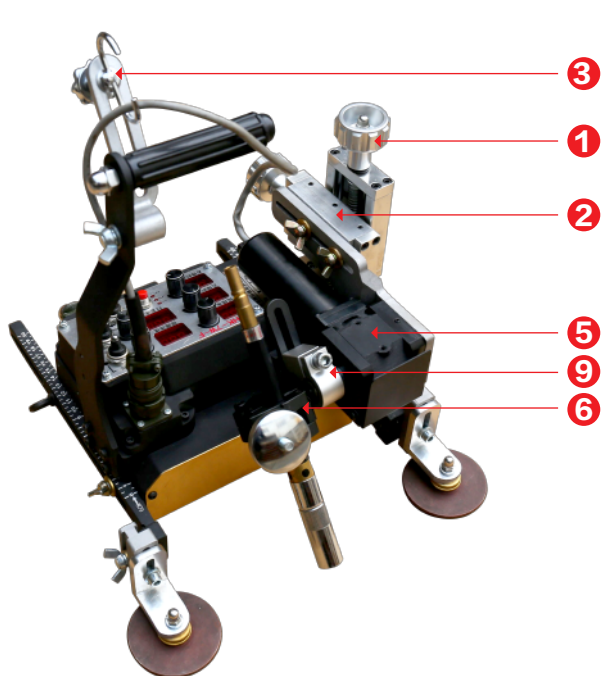


Main features and benefits:

- Compact, lightweight design with durable cast aluminum housing
- Convenient and easy to find power 220v AC and mobile battery
- Magnetic traction ensures the machine in close contact with the workpiece for welding work
- Magnetic switch good for workpiece setting and adjustment
- 4-wheel drive, maintenance free
- Heat resistant silicone wheel
- Automatic arc switch for simultaneous welding and travel
- Self-guided roller arm guides the machine to follow the weld

Machine size:





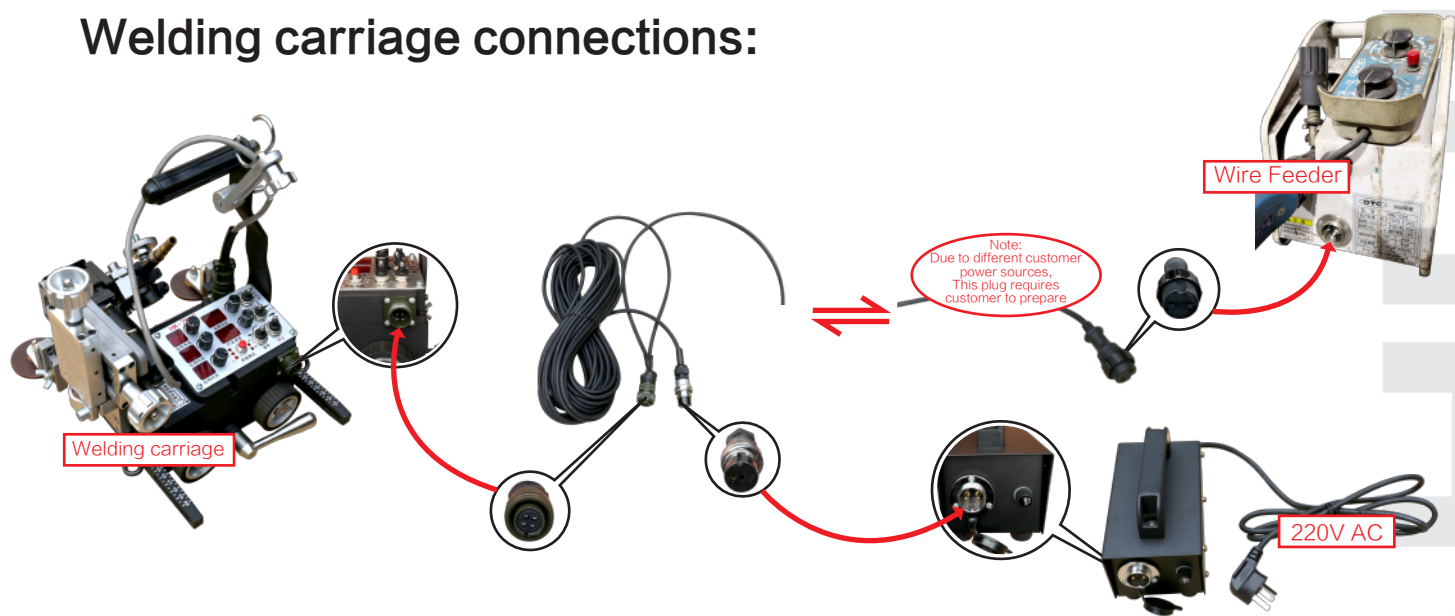
Part Name and Function:

- | | |
|---------------------|------------------|
| ① Hand wheel | ② Lifting body |
| ③ Cable anchor | ④ Guide bar |
| ⑤ Torch oscillator | ⑥ Torch holder |
| ⑦ Handle | ⑧ Control socket |
| ⑨ Connection holder | ⑩ Control box |
| ⑪ Clutch handle | |

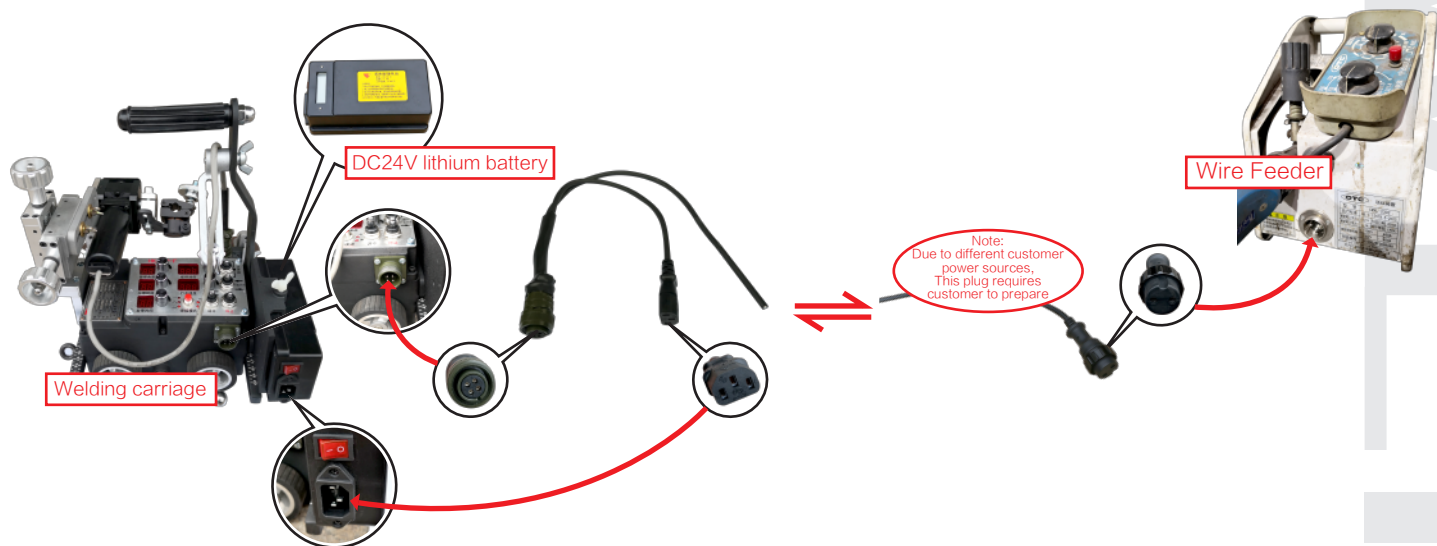
The main technical parameters:

Dimensions	323X358X330 mm	
Machine weight	9.3Kg (including the oscillator)	
Lithium battery and connecting plate set	1.5Kg (optional)	
Package dimensions	600X385X420 mm	
Package weight	15.5Kg	
Input voltage	220V AC 50/60Hz	
	DC24V / 4AH capacity lithium battery (optional)	
Oscillating motor	DC24V	
Drive mode	Four rubber wheel drive	
Welding speed	50 ~ 700mm/min	
Torch adjustment range	Up and down	50mm
	Forward and backward	50mm
	Torch holder adjustable angle	$\pm 45^{\circ}$
	Oscillating angle	$\pm 10^{\circ}$
Oscillating parameter	Left and right stay time	0 ~ 2.5S
	Offset distance setting	0 ~ $\pm 8^{\circ}$
	Oscillating speed	0 ~ 99
	Oscillating angle	$\pm 10^{\circ}$
Oscillating mode selection		

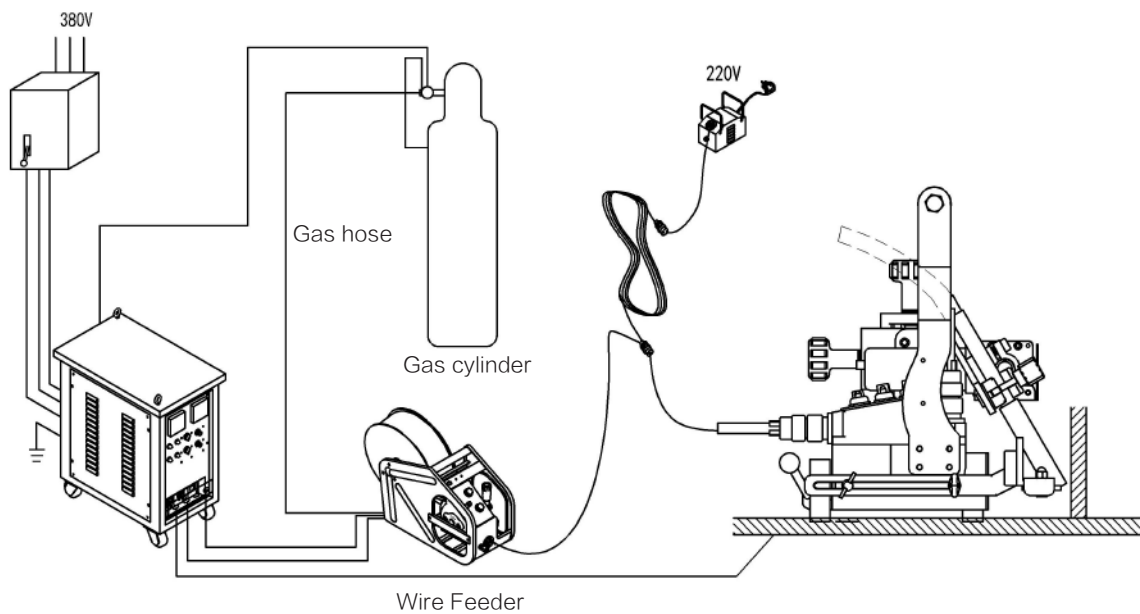
Welding carriage connections:



220V voltage power connection:



Lithium battery connection:



Machine standard accessories:



Main machine body



Oscillator



Torch holder
Connection holder



Guide bar
(270mm long)



Guide wheel
(Φ70mm)



Cable anchor



Power box assembly
(2m长/3 × 0.75mm²)



Power cable
(20m长/2 × 0.75mm²)



Allen wrench
(1 set)

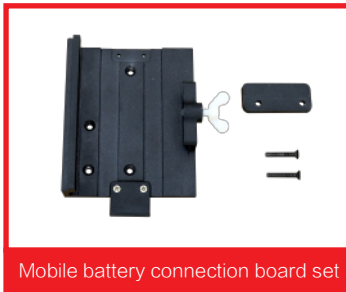


Fuse
220V/2A (2 piece)



1 instruction manual
1 certificate

Optional:



Mobile battery connection board set



Lithium battery cable
(0.5m long / 2x0.75mm²)



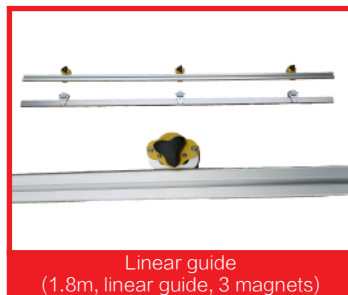
DC24V / 4AH capacity lithium battery
(8 hours)



Lithium battery charger



Guide rails and wheel
(straight, 2D, 3D rails)



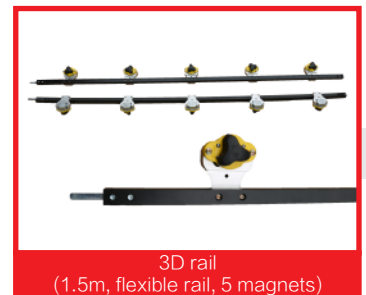
Linear guide
(1.8m, linear guide, 3 magnets)

Packing size: 1800mm × 160mm × 130mm
Package weight: 9Kg



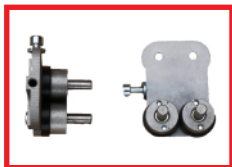
2D rail
(1.8m, flexible rail, 8 magnets)

Packing size: 1860mm × 215mm × 100mm
Package weight: 4.3Kg

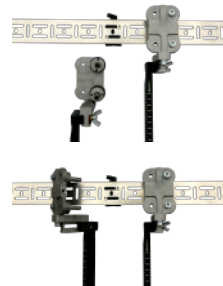


3D rail
(1.5m, flexible rail, 5 magnets)

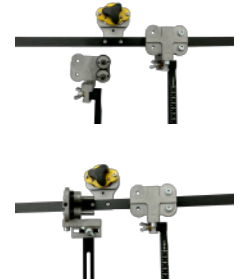
Packing size: 1560mm × 215mm × 100mm
Package weight: 3.5Kg



Straight guide wheel installation diagram



2D guide wheel installation diagram



3D guide wheel installation diagram



上海华威焊割机械有限公司

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