

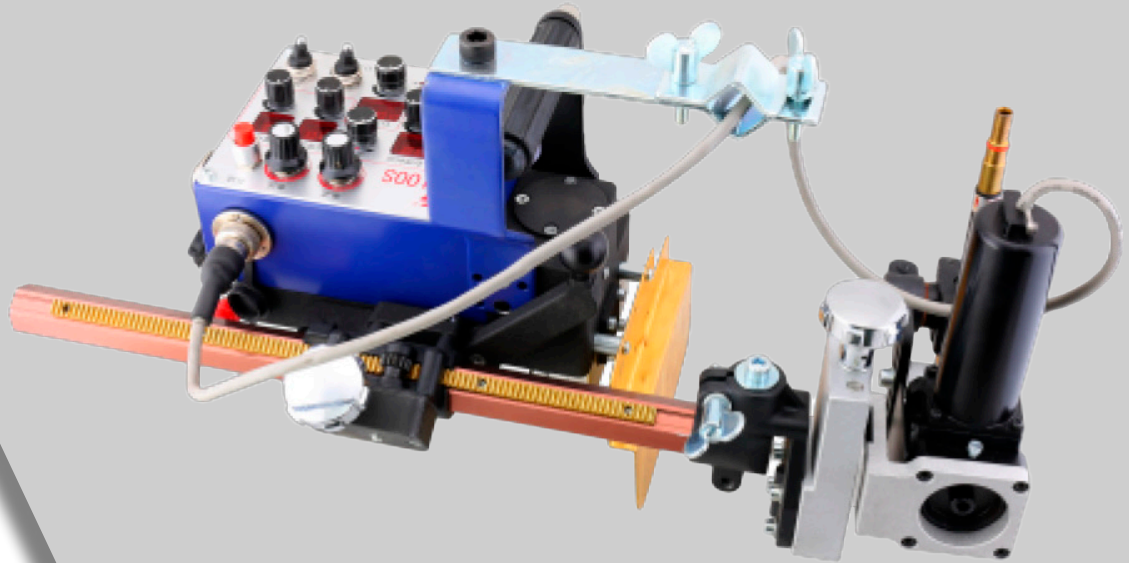
NXT
NEXT WELDING TOOLS



NXT-100S
OSCILLATING TANK
AUTOMATIC WELDING CARRIAGE

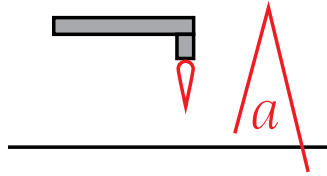
- Reduce labor intensity and improve working environment
- Improve work efficiency, 1.5 times that of manual welding
- Avoid poor quality welds caused by human factors. Usually manual defect rate is about 20%. The use of an automatic welding carriage does not result in a poor welding rate, so the overall efficiency is nearly 200% higher than the manual welding.
- High degree of automation to ensure the stability of welding quality, and even unskilled skilled workers can also quickly master the operation.
- The NXT-100S oscillating tank 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.



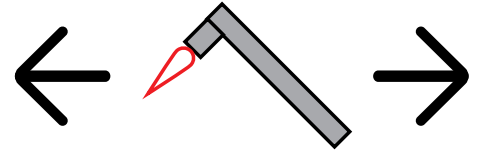


APPLICATION

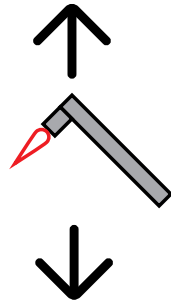
- Trailer manufacturing
- Tank truck
- Oil tank
- Water storage tank
- Transformer
- Shipyard
- Any application requiring electric welding and continuous fillet welds



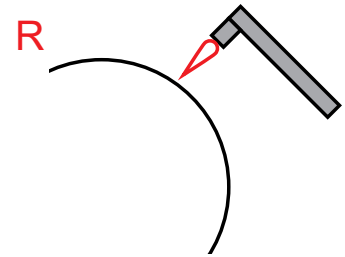
Oscillating angle $\pm 10^\circ$



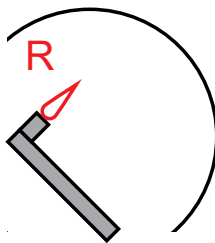
Horizontal welding speed
50-800mm/min.



Vertical welding speed
50-750 mm/min



Curved tank external welding
Minimum diameter $R \geq 1,500\text{mm}$

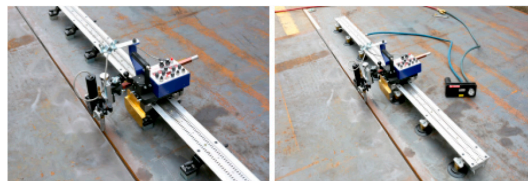
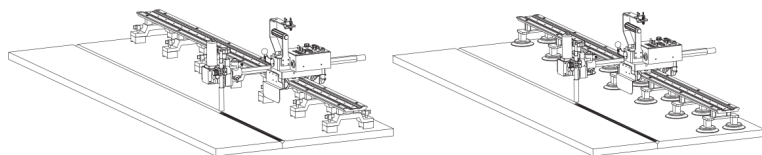


Curved tank internal welding
Minimum diameter $R \geq 1,500\text{mm}$

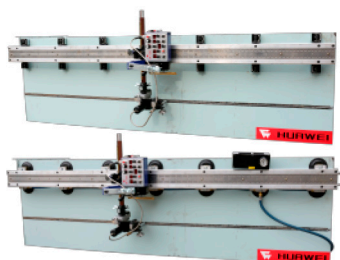
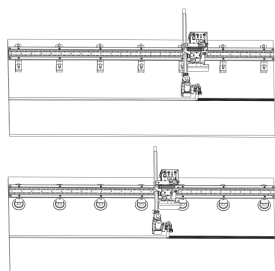


Main machine body weight 9Kg

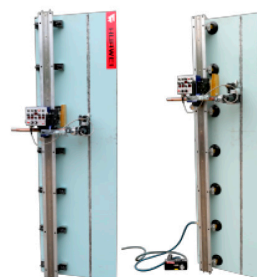
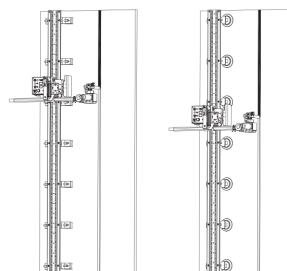
Plane butt welding



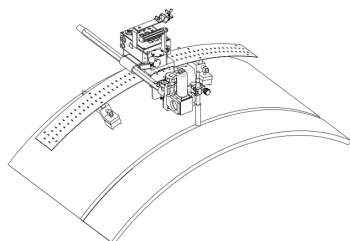
Horizontal welding



Vertical welding

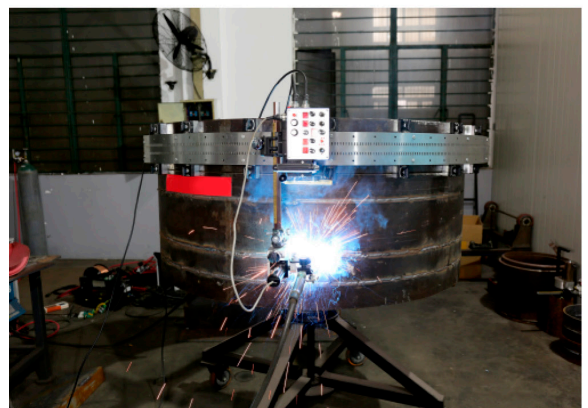
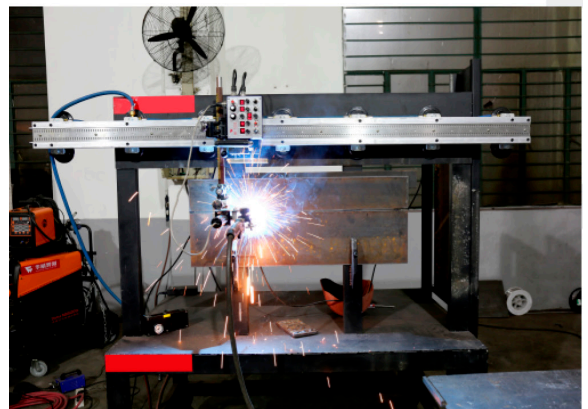


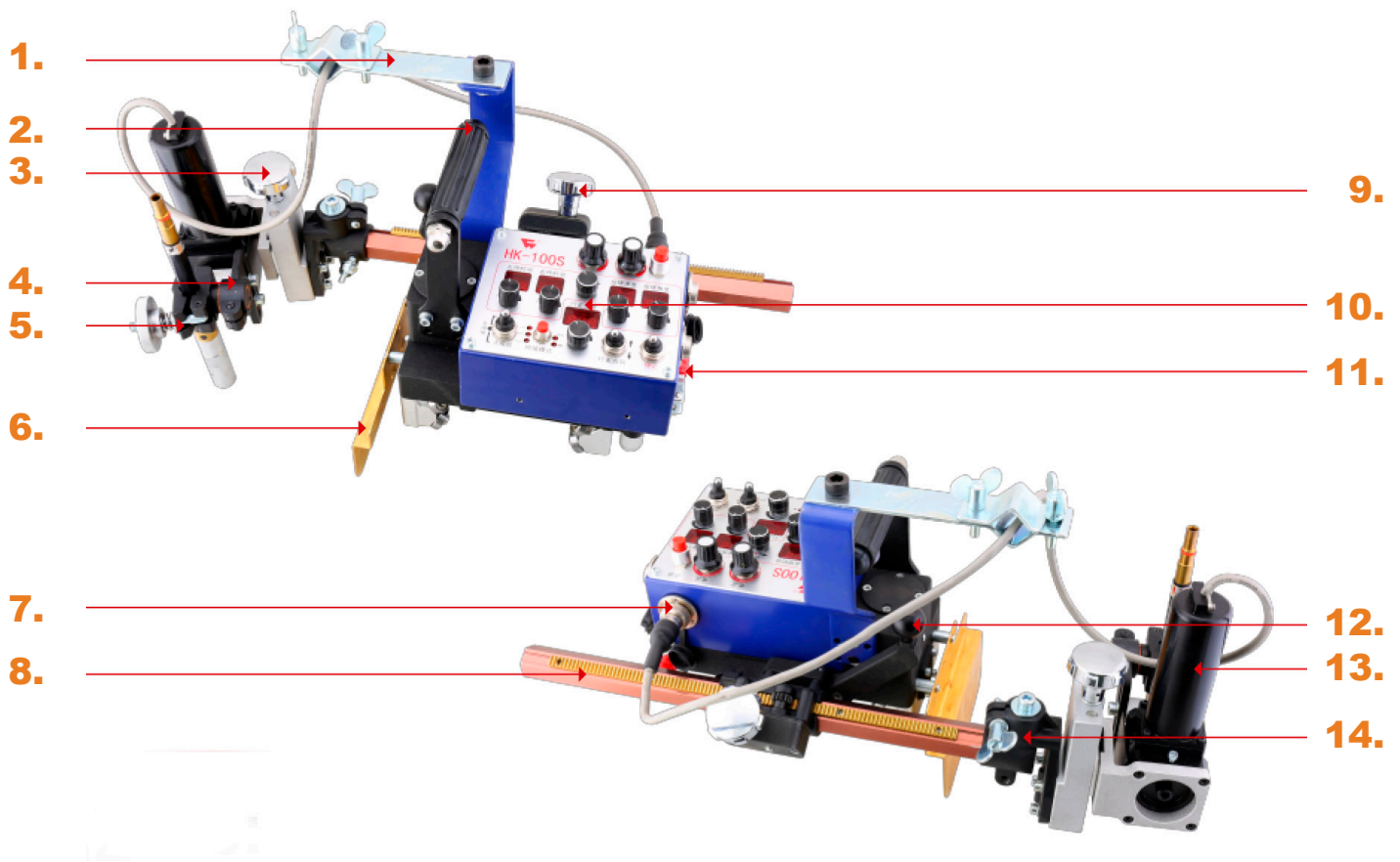
Curved tank welding Minimum diameter $R \geq 1,500\text{mm}$



Main features and benefits

- The NXT-100S flexible rail oscillating welding carriage is an automatic device that allows for a wide weld seam in one pass. It is especially suitable for the welding of curved surface material (pipes) with a radius bigger than 750mm.
- The oscillating speed, oscillating angle, center offset position, and left & right stay time can be adjusted, to suit the weld bead with various specifications.
- The magnets are all controlled by switches, which is convenient for cleaning iron garbage and moving carriages; the moving of the carriages can be controlled through the rail, and it thus can avoid the phenomenon that the carriages are separated from the welding line.
- Maintenance-free sprocket drive
- The installation and disassembly of the carriage and the rail are controlled by special devices, which is very convenient to operate.
- With small size and light weight, it is easy to move and install, and even unskilled workers can perform the welding.





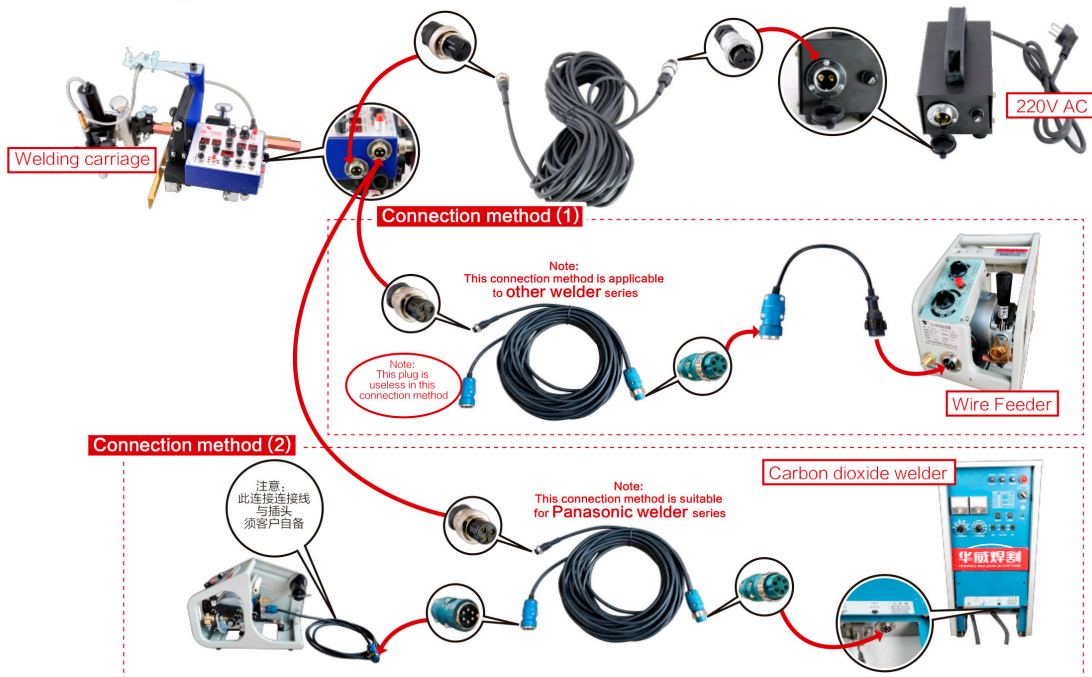
Part Name:

- | | |
|-------------------------------|--|
| 1. Cable anchor. | 8. Transverse rack. |
| 2. Handle | 9. Transverse handwheel. |
| 3. Moving up and down. | 10. Control panel. |
| 4. Clamping connector. | 11. Rail quick clamping clutch handle. |
| 5. Torch holder. | 12. Clutch handle. |
| 6. Protective plate | 13. Oscillator. |
| 7. Oscillator socket. | 14. Oscillator traverse rack conjunction. |

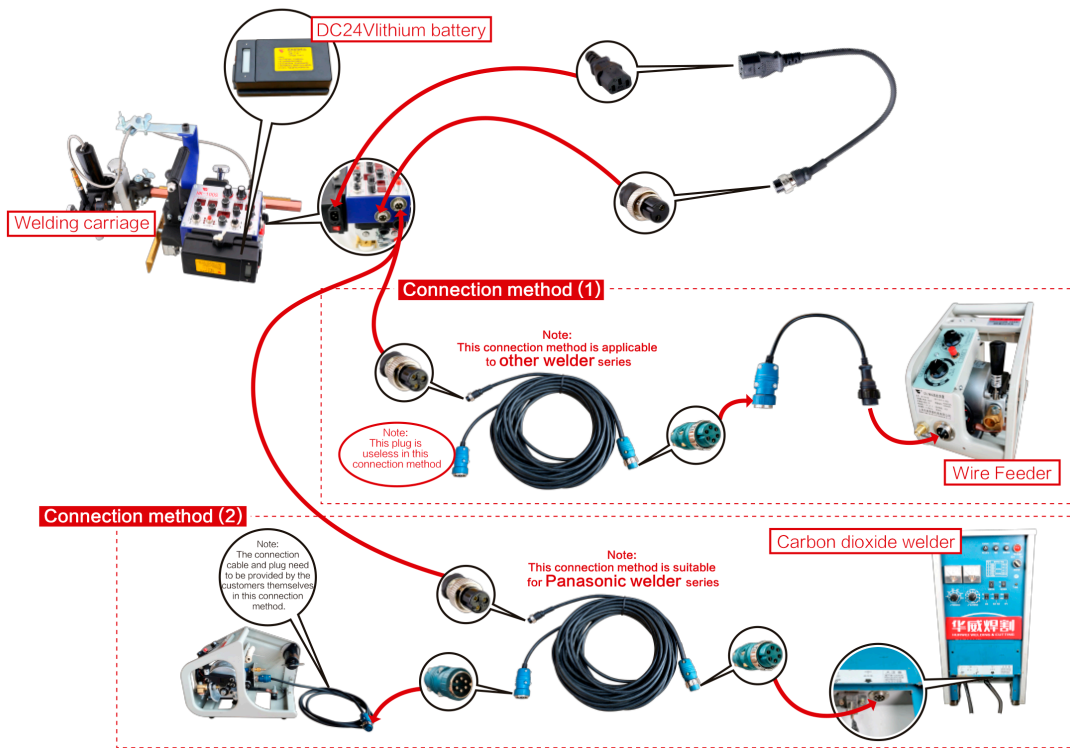
THE MAIN TECHNICAL PARAMETERS

Dimensions	580X250X345 mm	
Machine weight	9Kg (including the oscillator)	
Lithium battery and connecting plate set	1.5Kg (optional)	
Package dimensions	600X375X405 mm	
Package weight	16.9Kg	
Input voltage	220V AC 50/60Hz	
	DC24V / 4AH capacity lithium battery (optional)	
Oscillating motor	Brushless motor (DC24V)	
Drive mode	Sprocket drive	
Welding speed	50~800mm/min	
Torch adjustment range	Up and down	50mm
	Left and right	200mm
	Torch holder adjustable angle	±45°
	Oscillating angle	±10°
Oscillating parameter	Left and right stay time	0~2.5S
	Oscillating speed	0~99
	Oscillating mode selection	±10°

220V voltage connection method:



Lithium battery connection



Machine standard accessories:



Main machine body



Oscillator



Torch holder
Connection holder



Oscillator traverse
rack conjunction



Oscillator connector
Connector for
moving up and down



Cable anchor



Power box assembly
(2m/3x0.75mm²)



Wire feeder cable
(For other welder series)
(Useless for Panasonic
welder)



Two-dimensional rail (2)
(2m, 7 sets of magnetic
steel)



Power cable
(20m/2x0.75mm²)



Wire feeder cable
(20m/3x0.75mm²)



Traverse rack
(400mm)



Allen wrench
(1 set)



Fuse
220V/2A (2 pieces)



1 instruction manual

OPTIONAL:



DC24V/4AH capacity lithium battery (8 hours)



Mobile battery connection board set



Lithium battery cable (0.5m/2×0.75mm²)



Lithium battery charger



Vacuum generator



Unidimensional guide rail (2m, 1D linear guide, 7 sets of magnetic steel)

Packing size:2115mm×280mm×172mm
Guide rail weight:15.6Kg
Package weight:26Kg



Vacuum chuck one-dimensional guide rail (2m, 1D linear guide, 7 sets of vacuum chucks)

Packing size:2115mm×280mm×172mm
Guide rail weight:16Kg
Package weight:26.4Kg



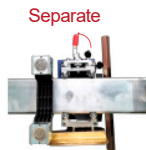
Two-dimensional guide rail (2m, 2D flexible guide rail, 7 sets of magnetic steel)

Packing size:2115mm×280mm×172mm
Guide rail weight:10.4Kg
Package weight:20.8Kg

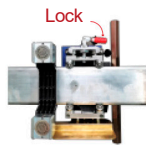


Vacuum chuck two-dimensional guide rail (2m, 2D flexible guide rail, 7 sets of magnetic steel)

Packing size:2115mm×280mm×172mm
Guide rail weight:11Kg
Package weight:21.4Kg

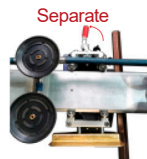


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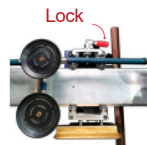


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One-dimensional rail quick installation

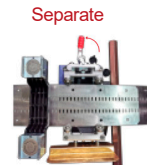


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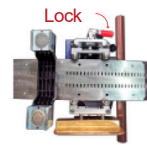


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Vacuum chuck 1D rail quick installation

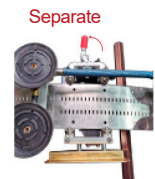


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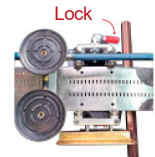


Lock

Two-dimensional rail quick installation



Separate



Lock

Vacuum chuck 2D rail quick installation



Calle Guam 68, Col. Euzkadi, C..P. 02660,
Del. Azcapotzalco, Ciudad de México.

TEL. 5521218632