Foldable PA & TOFD Crawler

UHTS-X02



UHTS-X02 is compatible with PA or TOFD probes. It can be folded in the center for longitudinal weld and unfolded for girth weld, enabling to have better coupling stability to work on plates, girth weld with pipe OD ⩾ 500mm and longitudinal weld with pipe OD ⩾ 600mm.

- Standard configured as two channels TOFD crawler
- Support Phased Array probes
- Support up to 3 pairs of probe holders simultaneously.
- The magnetic wheels can be attracted to the workpiece for easy operation.
- Spring guide way structure, which follows the tested surface, maintaining good coupling between the wedge and workpiece.



Foldable Structure



Probe Holder



Encoder



Magnetic Wheel

Superior Features

UHTS-X02 has up to six combinations to meet different application requirements.

UHTS-X02 Crawler Combinations	
Combination 1 (1-channel TOFD)	
	Work with one pair of TOFD probes for TOFD testing on workpiece with wall thickness less than 50mm.
Combination 2 (2-channel TOFD)	
	Work with two pairs of TOFD probes for TOFD testing on workpiece with wall thickness less than 100mm.
Combination 3 (One Phased Array Probe)	
	Work with one Phased Array probe for phased array testing.

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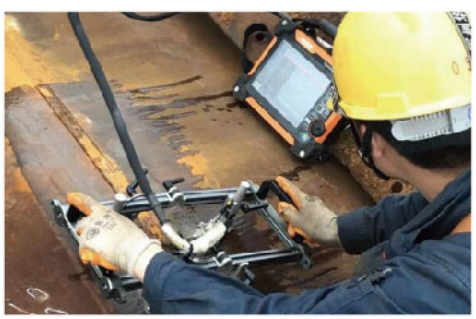
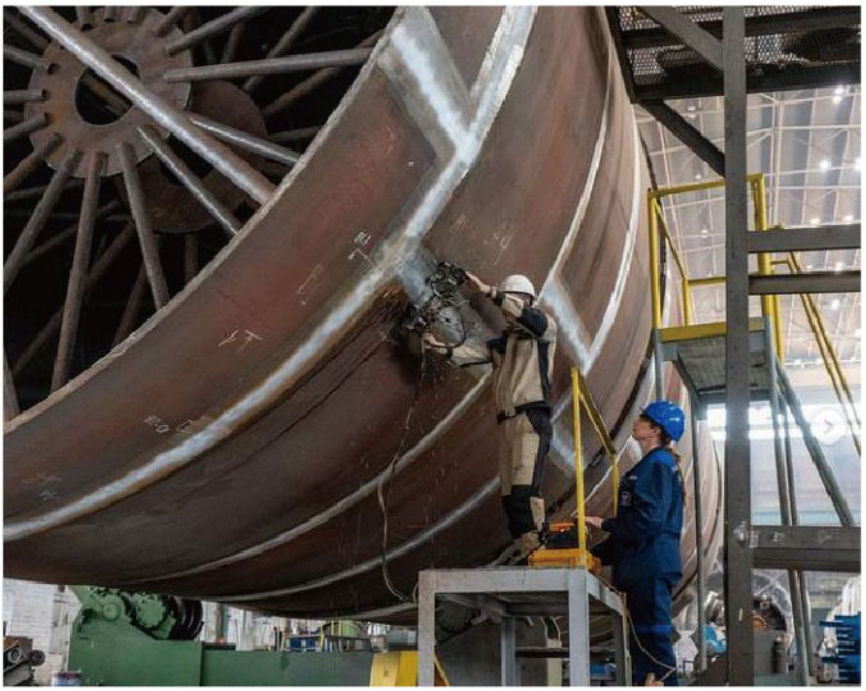
UHTS-X02 Crawler Combinations	
Combination 4 (Two PAUT probes)	
	Work with one pair of Phased Array probes for phased array testing.
Combination 5 (Two PAUT probes+1-channel TOFD)	
	Work with one pair of Phased Array probes and one pair of TOFD probes for phased array and TOFD testing.
Combination 6 (Two PAUT probes+2-channel TOFD)	
	Work with one pair of Phased Array probes and two pairs of TOFD probes for phased array and TOFD testing.

*The six combinations support irrigation wedges and non-irrigation wedges.

Application







Foldable PA & TOFD Crawler

Item	Description	
Weight	2.3kg	
Dimension(W×H×D)	427mm×270mm×137mm	
Scan Method	Manual, single axis scanning	
Encoder Connector Type	4-core	
Encoder Precision	9.3 step/mm	
Encoder IP Code	IP68	
Suitable Tested Work Piece	Plate	
	Pipe (girth weld outside)	Diameter≥500mm
	Pipe (longitudinal weld outside)	Diameter≥600mm
Working Condition	Temperature	-20℃~+45℃
	Relative Humidity	30%~85%
	Atmospheric Pressure	700hPa~1060hPa

Standard Accessories		
Probe Holder	Left probe holder HFL-01	Support non-irrigation wedge
	Right probe holder HFR-01	
	Left probe holder HFL-04	
	Right probe holder HFR-04	
Optional Accessories		
Probe Holder	Left probe holder HFL-02	Support irrigation TOFD wedge
	Right probe holder HFR-02	
	Left probe holder HML-02	Support irrigation phased array wedge
	Right probe holder HMR-02	
Probe Holder Arm	Long probe holder arm AB-02	
Auto Irrigation Device	IA-01	
Manual Irrigation Device	IH-05	

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Specifications and appearance are subject to change without prior notice.

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