

The Krautkrämer SNUP-LO you know.

Boost productivity by upgrading to WheelProbe 2

- Gain production time
- Reduce operating costs
- Get higher performance without compromising on quality

Inspection starts here.

 **Waygate
Technologies**
a Baker Hughes business

Improve production efficiency at top inspection quality

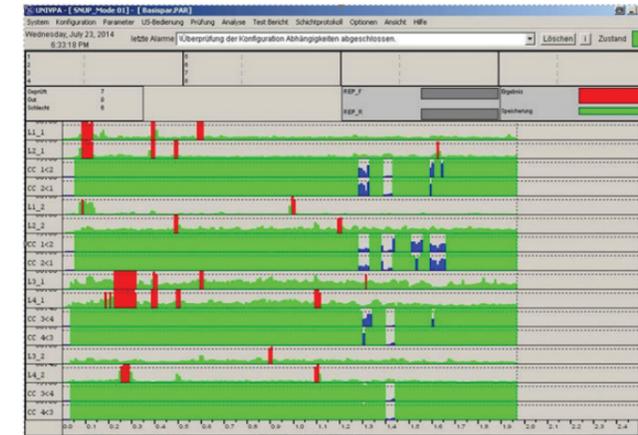
The weld seam is the most critical part of a pipe. In conventional ultrasonic testing of submerged arc welds, certain defects can only be detected with additional time-consuming and cost-intensive efforts. WheelProbe 2, the new upgrade to the Krautkrämer's SNUP-LO ultrasonic testing machine by Waygate Technologies, provides an effective solution.

The new on-bead probe detects critical defects, such as transverse flaws and holes. It utilizes phased array technology and is powered by USIP|xx electronics that ensure ultra-high resolution at high speed. Due to its special rubber wheel design it adapts to different weld shapes and provides comprehensive coverage, including in the heat affected zone.

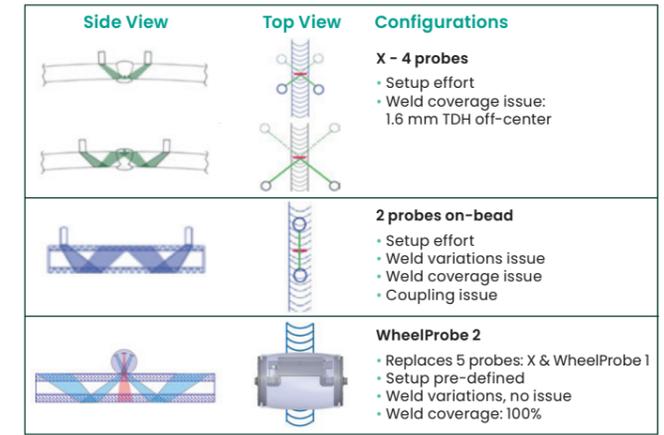
The Power of WheelProbe 2

Quality from legacy Krautkrämer				
Gain production time		Higher productivity with no compromise on inspection quality		Reduce operation efforts
Short setup	Short change-over	Built-in weld shape adaptation	Separate critical defects from false indications	Less parts → lower maintenance
<ul style="list-style-type: none"> change-over: 20 to 5 min 5 probes → 1 probe 		<ul style="list-style-type: none"> flexible wheel off-center defect detection included fine spatial resolution big coverage of 70 mm detect beyond weld into HAZ phased array technology combined with USIP xx power 		<ul style="list-style-type: none"> 5 probes → 1 probe less probes → less mechanics

Upgrading to a powerful probe is easy



WheelProbe 2 delivers an easy-to-interpret strip chart that is straightforward to use. Minimum operator training is required.



Compared to conventional configurations, WheelProbe 2 offers increased detection performance while reducing false indications.

Rely on over four decades of experience

WheelProbe 2 meets inspection requirements of API 5L/ISO 3183, DNV-OS-F101, Shell DEP-31.40.20.37-Gen., Chevron, Aramco, IOGP S-616, and other global standards for SAW pipes. With over 80 Krautkrämer SNUP machines installed worldwide and more than 40 years of experience in this market, the technology has a long history of proven productivity and performance. The service offering by Waygate Technologies also ensures less downtime through service agreements including remote support.



WheelProbe 2 was developed based on customer experiences and increasing inspection demands.



Higher productivity, performance, and less operation efforts

Application Specifications

Features	Values	Additional Information
Outside Diameter (OD)	≥ 323 mm	
Wall Thickness (WT)	8–50 mm	Material dependent
Coverage (weld across)	70 mm	80 mm active area Dependent on WT, OD
Weld coverage area	100 %	Transverse Flaws (TF) 10 mm, Notch N5 Through-Drilled Holes (TDH) 1.6 mm
Heat Affected Zone (HAZ) coverage	25 mm left/right weld	Dependent on weld width, 22 mm exemplary
Repeatability: A-B	$\pm 1,5$ dB	Weld Area & HAZ, with N5
Untested ends	1 x WT + 18 mm	Physical limit + beam width
Coupling check	yes	WT probe included
Speed	200 mm/s (400 portal)	
Signal-Noise ratio, S/N	> 12 dB	1.6 mm TDH
Surface resolution	4 mm	Aside weld seam
Durability	> 25000 cycles	>30 km total tube weld length tested Scale free & particle free surface
Temperature	0–50 °C	

WheelProbe 2 runs with powerful Krautkrämer USIP|xx electronics

The USIP|xx electronics platform for ultrasonic testing machines provides the operating electronics for a wide range of ultrasonic testing systems. It processes the gathered inspection data at very high speeds to offer fast on-line inspection with exceptional performance.

- Designed to meet high-end testing requirements
- Offers top level UT and evaluation performance
- Can handle up to 768 parallel phased array channels per rack
- Phased array features include: focusing, steering and scanning and aperture size from 1 to 256 elements
- Enables up to 8 parallel evaluations per board and per cycle
- Can be easily integrated within a user's individual environment by signal exchange via Interbus
- Modular design facilitates easy maintenance
- Architecture facilitates access to raw data for subsequent evaluation and future upgradeability

Upgrade your SNUP machine and transition to a new production level for inspecting submerged-arc welded pipes today. Our expert installation team is happy to provide you with a customized solution to help you identify critical defects faster and easier. We look forward to working with you and supporting your business in reaching new levels of productivity.



Contact your local sales representative to learn more about how we can make WheelProbe 2 work for your needs:

[waygate-tech.com](https://www.waygate-tech.com)