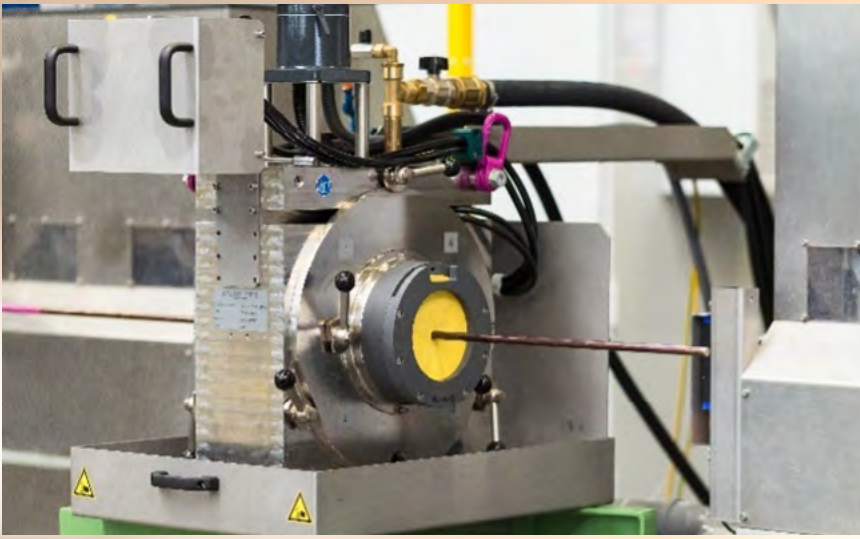


Krautkrämer

# ROWA™ Ux 400 mini

The most efficient high-end ultrasonic bar inspection system in the market: now available for small diameter bars starting from 6mm

- Increased productivity and ease of use with phased array technology
- Lower maintenance and higher uptime thanks to significantly less complex mechanics
- Proven reliability, performance and detectability that is trusted by manufacturers, certifiers, and auditors alike



Waygate Technologies is now bringing the unmatched efficiency of the Krautkrämer ROWA™ ultrasonic testing solution to the inspection of small diameter steel bars.

The new ROWA™ Ux 400 mini is ready to replace any conventional ultrasonic system in the diameter range from 6 to 25mm. Combining a simple and robust design with 20+ years of experience in phased array technology, it offers greater productivity at consistent quality.

Its stationary mounted phased array probes are

controlled by software and electronics only, thus eliminating almost all necessity for manual intervention.

The simplistic design – without any rotating parts like probe holders, seals, and bearings which typically require a lot of manual adjustment, care, and maintenance – further increases uptime while reducing operational costs.

Our Krautkrämer ultrasound technology is trusted by manufacturers, certifiers, and auditors alike for proven **reliability, performance, and detectability.**

### ROWA™ Ux 400 mini

<b>Test objects</b>	Metal bars
<b>Test diameter range</b>	Round D 6–25 mm
<b>Test speed</b>	Up to 120m/min
<b>Detection capability</b>	<ul style="list-style-type: none"> <li>• Flat bottom hole <math>D \geq 0.7\text{mm}</math></li> <li>• Side drilled hole <math>D \geq 0.3\text{mm}</math></li> <li>• Surface notch <math>t \geq 0.1\text{mm}</math></li> <li>• Untested ends down to 30mm</li> <li>• Deviating requirements on requests</li> </ul>

### Options

- Pre-wetting and cleaning system
- Reference standard manipulator for fully automated sensitivity adjustment
- Reference standards

### USIP|xs Phased Array Instrument

- |                                |  |
|--------------------------------|--|
| <b>Transmitter</b>             | <ul style="list-style-type: none"> <li>• 25 V to 180 V supply voltage adjustable in 5 V steps</li> <li>• Max. PRF 20 KHz</li> </ul>  |
| <b>Receiver</b>                | <ul style="list-style-type: none"> <li>• 0.5 – 15 MHz bandwidth</li> <li>• 0 – 96 dB dynamic range per channel</li> </ul>  |
| <b>Digitizer</b>               | <ul style="list-style-type: none"> <li>• Sampling frequency of 50 MHz</li> <li>• Up sampling to 400 MHz</li> </ul>   |
| <b>Phased Array capability</b> | <ul style="list-style-type: none"> <li>• 2 parallel phased array probes, supported by 128 elements each, both of which can connect to the instrument for a maximum of 256 elements.</li> <li>• Up to 4 parallel apertures, sized from 1 to 32 elements, for each phased array probe</li> </ul> |

### Compliant to quality standards

- AMS2154, class AA
- NADCAP
- EN ISO 18563-1
- All leading automotive and aero end-user specifications

Get **in touch with our experts** and increase the productivity of your premium quality steel bars manufacturing. To learn more, contact your local sales representative.

[waygate-tech.com](http://waygate-tech.com)

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