

# RONDO RT

High-speed Inspection of small diameter Tubes and Round Bars

## Equipment Highlights

### High-Performance Solution

- Typical Inspection speeds up to 20m/min.
- Inspection performed by the full immersion of the inspected section to optimize coupling and inspection results.
- Only one bench and UT immersion tank to cover the full range of diameter without any changing of probe or hard mechanical settings.
- Complies with the stringent aerospace standards SAE AMS 2634 and SAE AMS 2154.

### Designed for Maintenance

- Less inspection elements compared to equivalent systems.
- Longer lifetime of mechanical and UT components due to no mechanical movement inside the inspection tank.

### User-friendly Operation (ITOP)

- Built around Innerspec Technologies Operating Platform (ITOP).
- NDT-WEB 360 software provides a web-based user interface easy to access, share, and customize.
- NDT-LINK cloud service for comprehensive asset management (user access, documentation, support, spares).
- Available for LINUX and Windows OS.

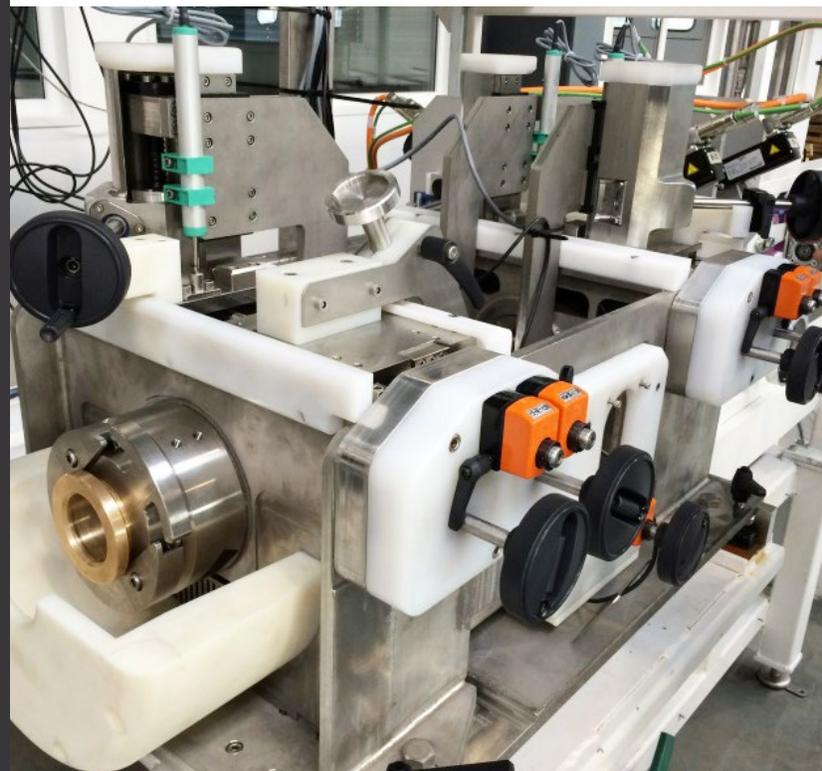
### Built-In Integration

- Optional Outer-Diameter measurement for full eccentricity control.
- Optional EC and laser measurement.

RONDO RT is a fully automated Phased Array UT (PAUT) inspection system for inline inspection of tubes and round bars ranging from 6mm to 65mm OD. Bigger sizes upon request. The system provides fast and reliable 100% volumetric inspections with real-time visualization of UT scans.

The simultaneous rotation and traversing of the product through the inspection cell require fewer inspection elements due to no mechanical movement inside the inspection tank. The inspection is performed by the full immersion of the inspected section resulting in optimal coupling, better detectability, and inspection repeatability.

The system is built on Innerspec Technologies Operating Platform (ITOP) which includes its proprietary web user interface (NDT-WEB) and cloud-based asset management tool (NDT-LINK).



## RONDO RT Specifications

<b>System Type</b>	<b>Helicoidal Inspection - Simultaneous product rotation and traversing movement through the inspection cell with PAUT probes.</b>
<b>Minimum Diameter</b>	6mm
<b>Maximum Diameter</b>	65mm*
<b>Typical Probe/Cluster Configuration</b>	1 to 3 PAUT and conventional probes depending on the configuration and customer requirements.
<b>Key Features</b>	<ul style="list-style-type: none"><li>• Typical Inspection speed up to 20m/min. Maximum speed is dependent on diameter, material, and defect detection requirements.</li><li>• Fast change between two diameters. No need to adjust the mechanic. Estimated time to setup a new range of diameter less than 20 min (change centring rings, loading UT setting, adjust probes position).</li><li>• Only 1 required tank for all control modes (Longitudinal / Transversal).</li><li>• Defect size down to notch 50µm depth and length 1.5 mm.</li></ul>

(\*) Bigger sizes upon request

