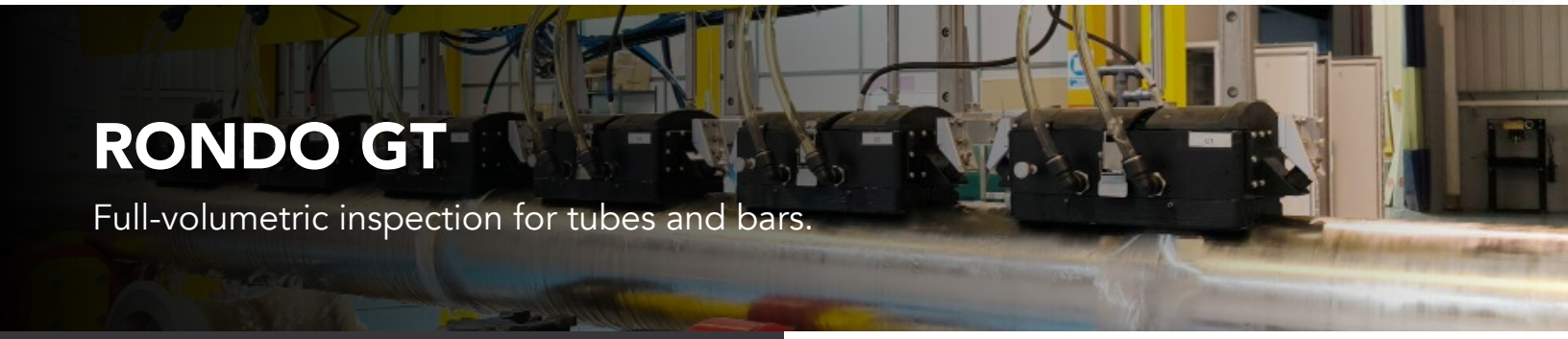


RONDO GT

Full-volumetric inspection for tubes and bars.

Equipment Highlights

High-Performance Solution

- Inspection performed by combining inlet/outlet rollers, rotation modules, stopper, and a high precision overhead gantry to optimize cycle-ties and increase productivity.
- Acoustically transparent membranes improve coupling in all conditions while reducing water flow-rate.
- Parallel firing of PAUT probes permits acquiring all necessary angles at high speeds.
- Dynamic detection of OD and ID notches starting at 5% wall thickness at all angles.

Designed for Maintenance

- Dedicated independent clusters for different defect angle groupings.

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

- Integrated PLC controls for fully automated operation including calibration, encoding, real-time alarms, paint marking, and product disposition.
- Easy integration of additional inspection techniques from Innerspec such as EMAT, EC, PMI.

RONDO GT is a fully automated inspection system for 100% volumetric inline inspection for tubes and bars using advanced Phased Array UT (PAUT) technology. The system is suitable for all types of round products above 50mm diameter and complies with all relevant inspection standards. For tubes, detection and repeatability exceed API 5L and API 5 CRA specifications.

The system uses localised immersion clusters with membrane technology, that allow minimal water flow-rates while optimising probe-coupling for varied surface conditions. It accommodates straightness variations up to 4mm/m due to its unique floating-UT head design consisting of multiple gimbals and air-cushioning modules.

It is offered as a full turnkey inspection-line consisting of high-performance mechanical handling modules that allow up to 1.5m/s inspection speeds. The full mechanical complement is made up of elevating inlet/outlet rollers, rotation modules, stopper and a high-precision overhead gantry, all with the aim of optimising cycle-times, minimising down-time and increasing productivity.



sales@innerspec.com www.innerspec.com

USA | Spain | UK | China | Mexico | Bahrain | Australia

RONDO GT Specifications	
System Type	**Helical inspection - Simultaneous product rotation with linear PAUT probes movement.**
Diameter	>50mm
Key Features	• Fully-floating UT compliant cluster design with air-cushioning and 3 degrees-of-freedom allowing robust mechanical placement and precise product control. • Inspection of tubes, bars, circular billets and aluminium logs in the same system (typical diameter range from 50mm to 1000mm). • Turnkey Solution: Modular-mechanical product handling, including inlet/outlet rollers and high-speed rotation modules. • Robust mechanical system designed for low maintenance. • Advanced PLC controls for fast new product setup. • Water filtration and management system. • Optional Paint-marking system.

