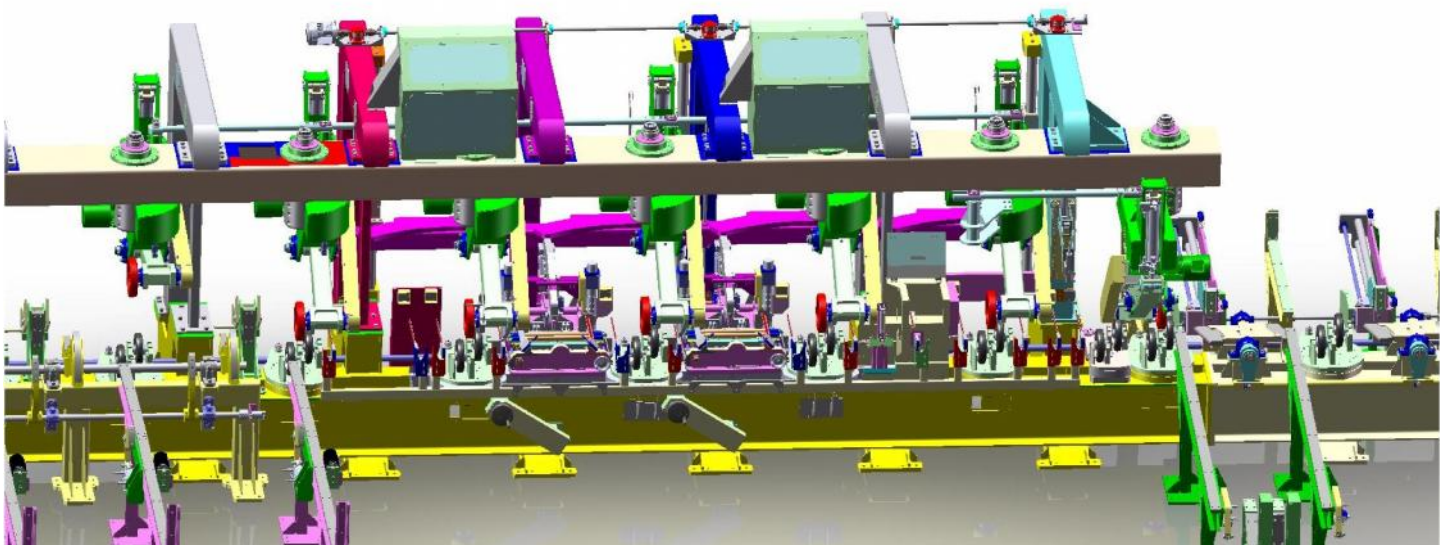


# TUBE INSPECTION SYSTEM

FBUT-RT-PA

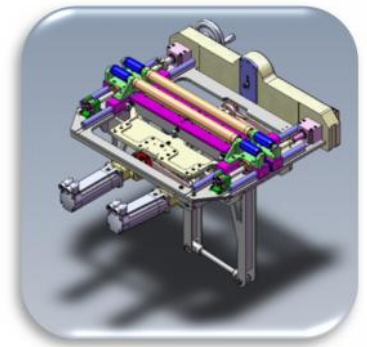
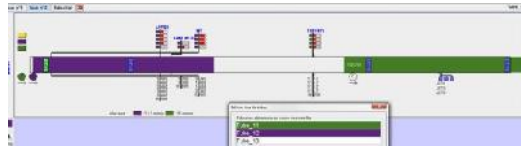
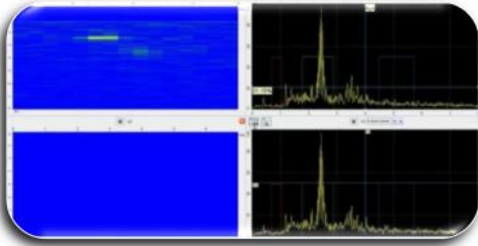
35 to 503mm



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# TECHNICAL DATA SHEET



<b>PRODUCT</b>	Seamless, welded tubes
<b>RANGE</b>	From 35 to 503mm
<b>DETECTION</b>	Longitudinal Transversal Obliques Lamination Wall Thickness Diameter and eccentricity
<b>DATA PRESENTATION</b>	Strip Chart (Stored in real time) Alarm (Stored in real time) A-Scan, B-Scan
<b>LINEAR SPEED</b>	Up to 60m/min
<b>NUMBER OF PROBES</b>	1 to 3 PA probes depending the configuration

## Main advantages of the FBUT – PA system:

- The full parallel firing of the Multi X ++ 32 to 256 which allow:
  - High productivity :
    - ✓ Emission : Insonification in 1 shot of an area corresponding to the full length of the PA probe (all element firing)
    - ✓ Reception : multiple reconstruction of focal laws (several sums in parallel)
  - Several obliquities defects testing in 1 shot thanks to multiple reconstruction of focal laws
  - Good repeatability : focal laws and overlapping adapted to the length of the defects
  - Capability to manage the PA focal laws for optimizing the detection and reducing the untested length
- Supervisor software LINEVIEW:
  - UT management, storage, connected to the production management.
  - Management of the UT and EC with the same software and interface.
  - Management of the bench.
  - Automatic Calibration
  - Defects Prove up by Backward/Forward movement on the UT bench
  - Recording, traceability, re ready of the data; reporting and network connectivity of the plan.
- Strong mechanic especially adapted to the inspection of the tube in roto-translation.
  - Easy adjustment of the probes angles.
  - High possible value for the helical pitch: 25 up to 110mm with an overlap of minimum 20%, depending on the conveyor limits and the electronic configuration.
  - Inspection of tubes in the range 35 to 503mm, with appropriate adjustment on the roller setup thanks to the concept developed by Tecnatom Metalscan
  - Compact UT PA immersion tank with direct access to the PA probes.
  - Integration of the EC technology

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