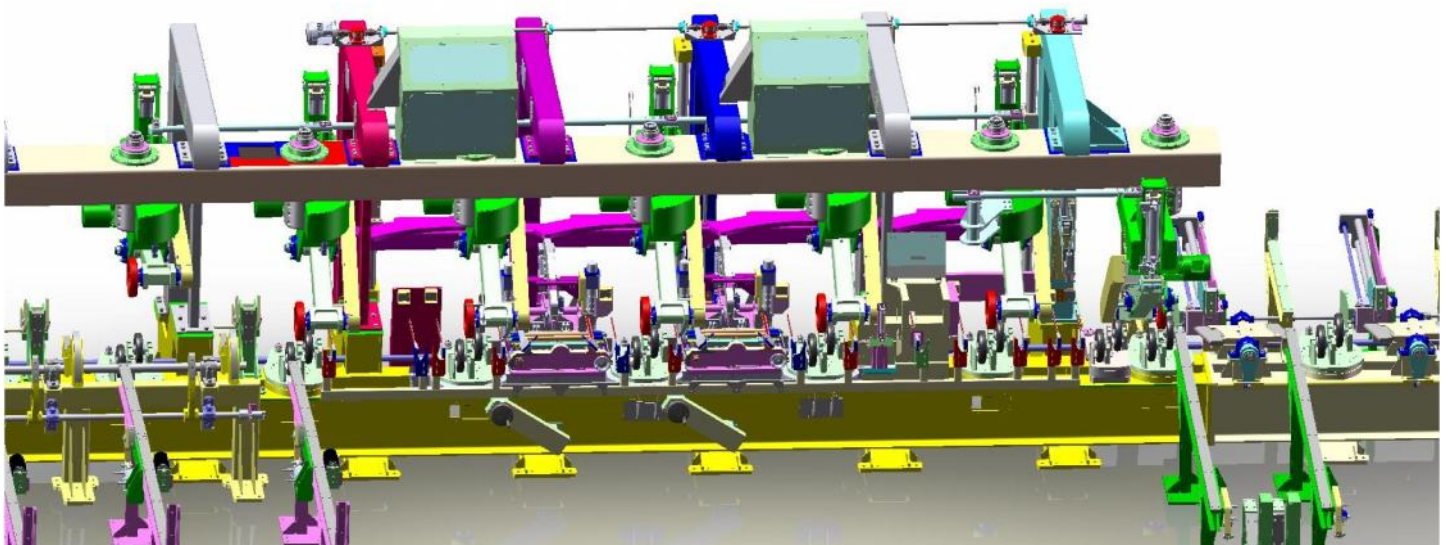
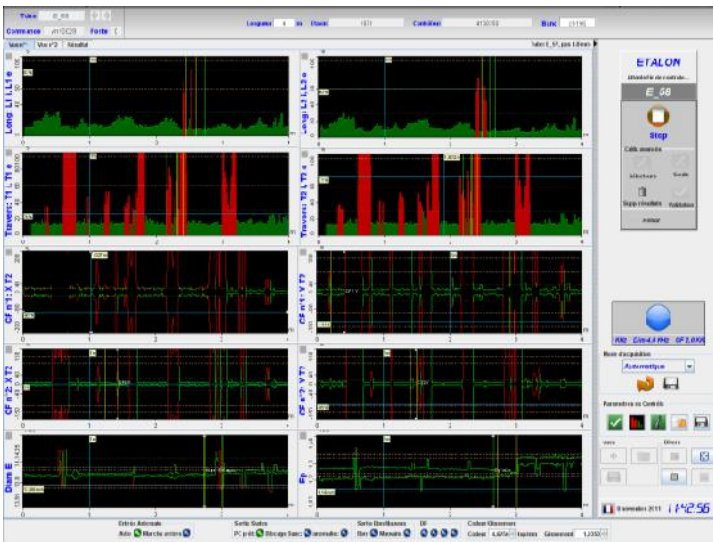
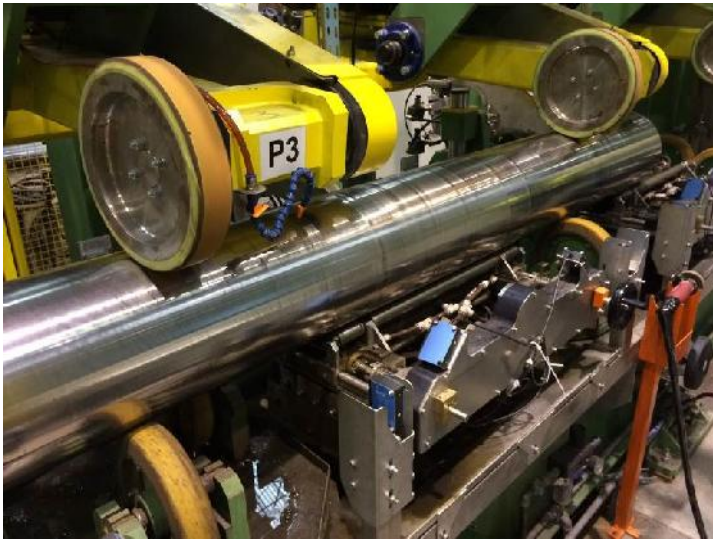


TUBE INSPECTION SYSTEM

FBUT-RT-PA

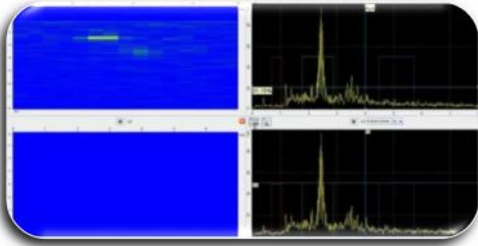
35 to 503mm



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TECHNICAL DATA SHEET



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