



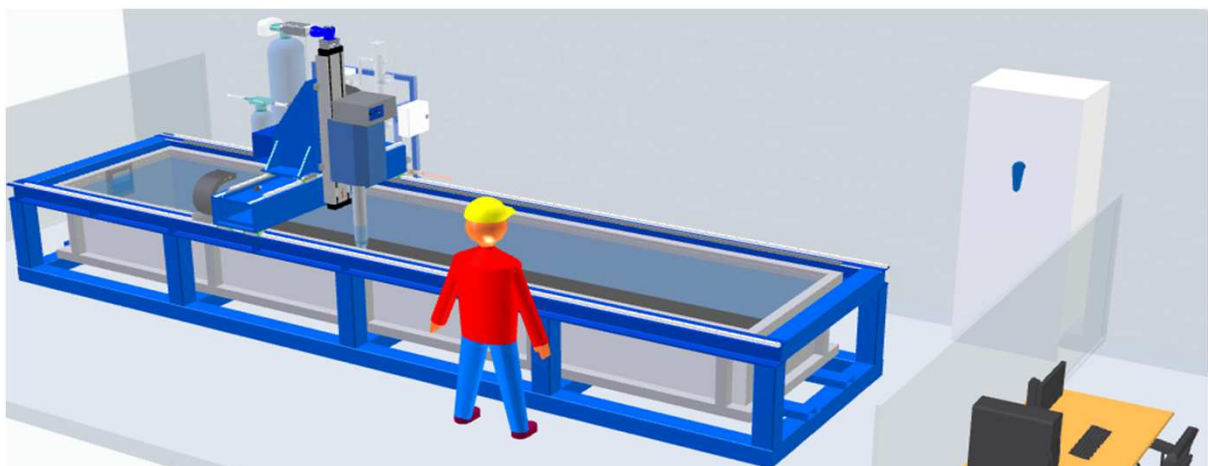
SUD OUEST SYSTEME
machines outils



Non- destructive testing (NDT)

By ultrasound

- Providing turnkey automatic machines of non-destructive ultrasonic testing in immersion for various materials (metal, carbon, composite, etc).
- Technology :
 - Multi-element transducers, 3 axis/5 axis scan.
 - Surface-Adapting Ultrasound (SAUL) ; Coherent Adaptive Focusing (CAF).
 - Automatic gripping of parts by poly-articulated robot.
 - Automatic parts identification.
 - Link : <https://youtu.be/XV9gfAcQ7jM?t=8>





SUD OUEST SYSTEME
machines outils

Machine NDT 6000 3A

By ultrasound



- Providing turnkey automatic machines of non-destructive ultrasonic testing in immersion for various materials (metal, carbon, composite, etc).
- Technology :
 - Ultrasound tool: Phased array channels 16:64PR + 4 single-element channels, 3 axis scan.
 - Technology CAF (Coherent Adaptive Focusing).
 - Automatic inspection mode (calibration, standard cycles, inspection and re-scan defects).
 - IHM : supervision, automatic analysis of the maps for defects detection, grouping of defects with A-Scans, automatic measurement of the part size, SQL database to store activities and results.
 - Tank dimension : 6000mm x 1000mm x 600mm
 - Maximum axis feedrate : 500 mm/s
 - Accuracy : Gantry positioning ± 0.2 mm et repeatability ± 0.1 mm
 - Filtration system : sand filter, UV treatment, heater with temperature regulation, fluid recirculation pump.

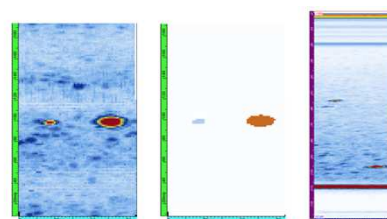
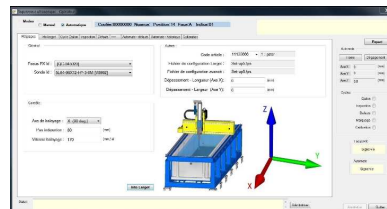
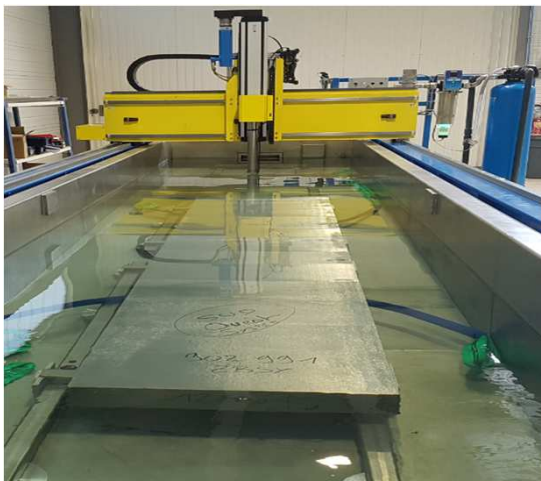


Figure - Cycle Etalon 2TFP