Ultrasound NDT Testing

Fast

Efficient

Practical

Mobile

Non-Destructive

While ultrasound NDT has been widely available in industrial scale, specific applications may not fit within the physical capabilities of those. ULTRA RS provides tailored NDT for those customers.

We can provide our NDT services on client sites or perform them at our premises, depending on the nature and volume of the demand. For specific cases, Ultra RS can tailor-make a device and train the customer to enable them to have in-house capabilities.

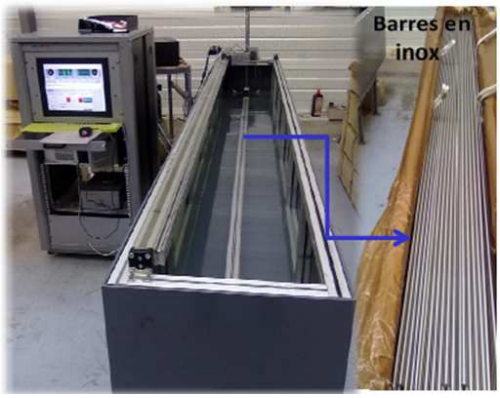
Our services include:

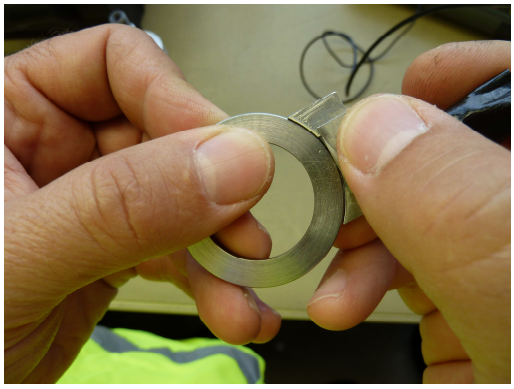
* Analysis of client needs and advice on critical zones to control and the control campaign for an efficient and effective QA

* Engineering and assembly of Ultrasound NDT solution, including our proprietary software solution

* Test campaign and fine-tuning of the solution

* Documentation and report





ULTRA RS

Development of the specific methods

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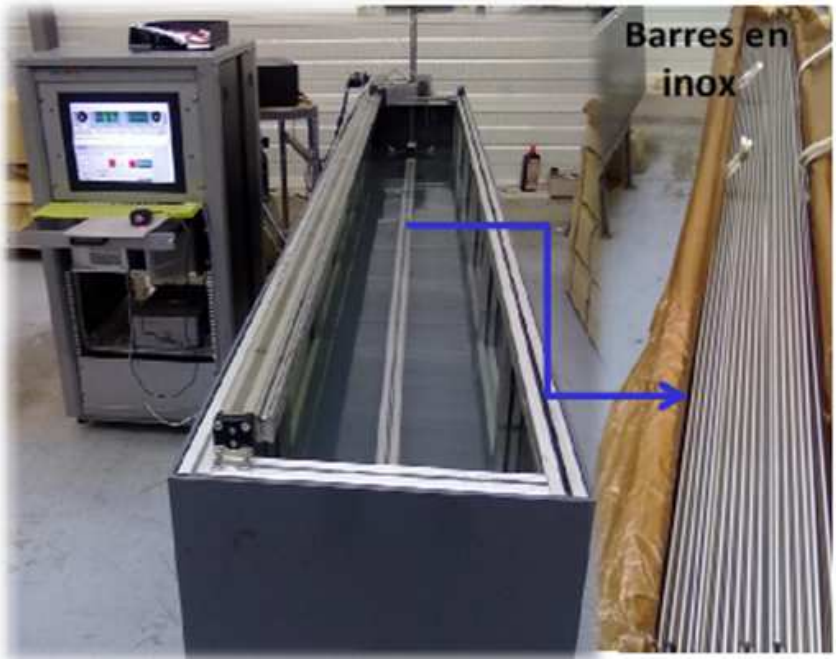
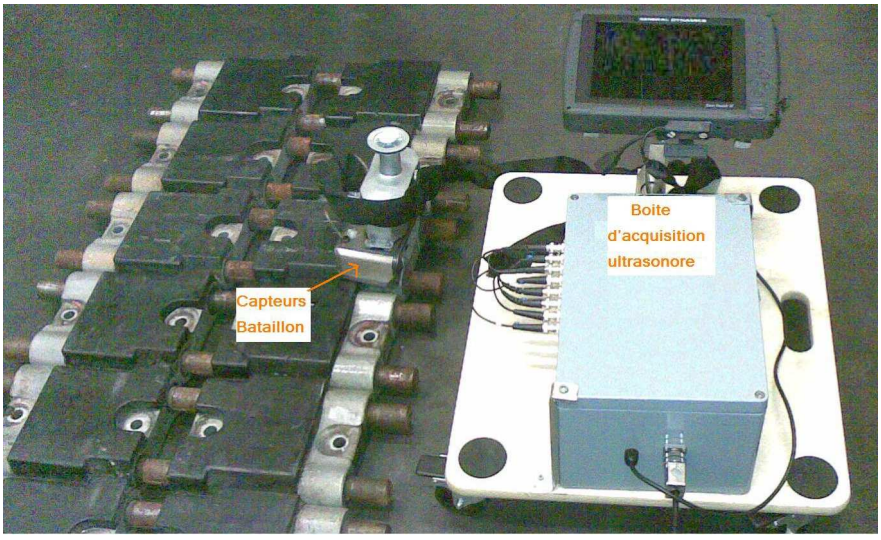
Example of realisation of the ultrasonic equipment:



Automatic control by immersion of stainless steel bars

This ultrasonic inspection system uses a rotating device to cover 100% area on cylindrical bars. These systems can be manufactured with different dimensions and for varying bar diameters according to inspection needs. The main applications are for the search for defects, inclusions, delamination, cracking, porosity ...

Carried out by ULTRA RS: control procedure, design and assembly of all the elements of the tank, control software, qualification of the equipment.



Corrosion crack detection using surface wave

This ultrasonic control system uses 8 ultrasonic trnsducers to control different areas of aluminum parts (without disassembling rubber parts).

Carried out by ULTRA RS: control procedure, design and assembly of ultrasonic equipment, control software, installation on an industrial site.

Others: ultrasonic system using creeping waves for the detection of cracks in coarse-grained material. This system can detect cracks located at depths between 1 and 12 mm.