Ready for the future, caring for the customer



Ultrasonic Inspection Technologies

# TAURUS TWIN®

Dual Robot Automatic Inspection System



### TAURUS TWIN Dual Robot Automatic Inspection System



**Proven Advantages** 

- Integrated, a unified environment
  - Multi-Technique: PA, TTU and PE.
- range of products geometries.
- speed and Phased Array technology.
- Scalable, to progressively increase

Tecnatom will adapt any machine to fulfill the customer's requirements.

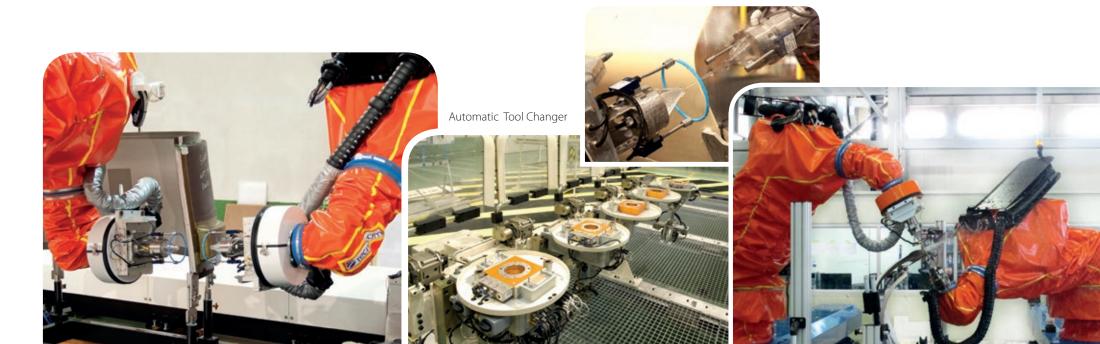


#### **SCOPE OF SUPPLY**

- Mechanical system with 14 axes, stroke of linear tracks and type of robots according to customer requirements.
- Tecnatom-KUKA controller to manage all motorized axes.
- Tecnatom's Phased-array and/or Conventional Ultrasonic Electronics and advanced software for acquisition, evaluation and machine control.
- Modules for inspection of a wide range of components and geometries.
- Gentray advanced software application for trajectories generation and geometry reconstruction.
- Simulation and post-processing software application.
- Computers for operation control, ultrasonic acquisition and evaluation.
- Water circulation and treatment system.
- Other accessories and services: documentation, installation, training.

#### **AVAILABLE OPTIONS**

- Second inspection area, to be able to use the inspection cell as two independent pulse-echo machines.
- Extension of number of phased-array channels.
- Specific inspection modules for complex geometries (radii, Omega or T-shaped stringers, etc..).
- Additional axes (such as turning table).
- Laser scanner for part teaching and trajectory correction.
- Defect marking tool.
- Automatic tool changer and stand.
- Technical assistance during machine start-up.
- Machine certification.
- Part Specific Holding Fixtures.



## TAURUS TWIN Dual Robot Automatic Inspection System

