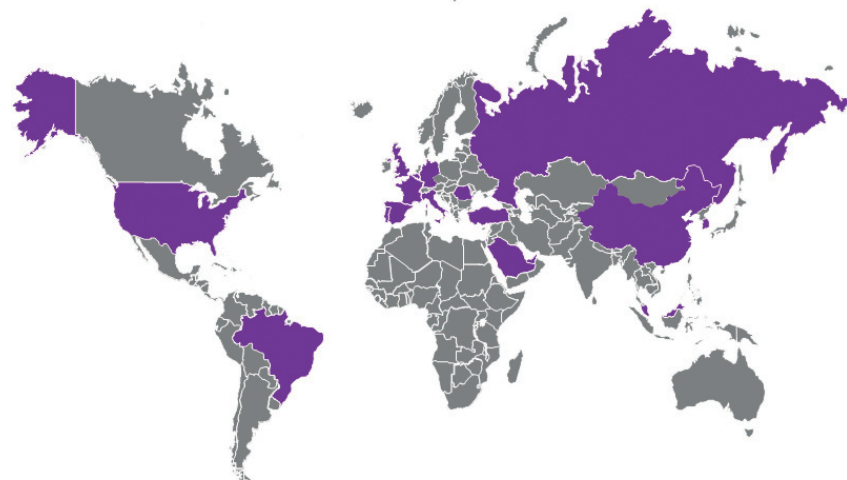


# Taurus Robotic Automated NDT System

Your best technological partner



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Non Destructive Testing Technologies

# TAURUS®

Robotic Automated NDT System



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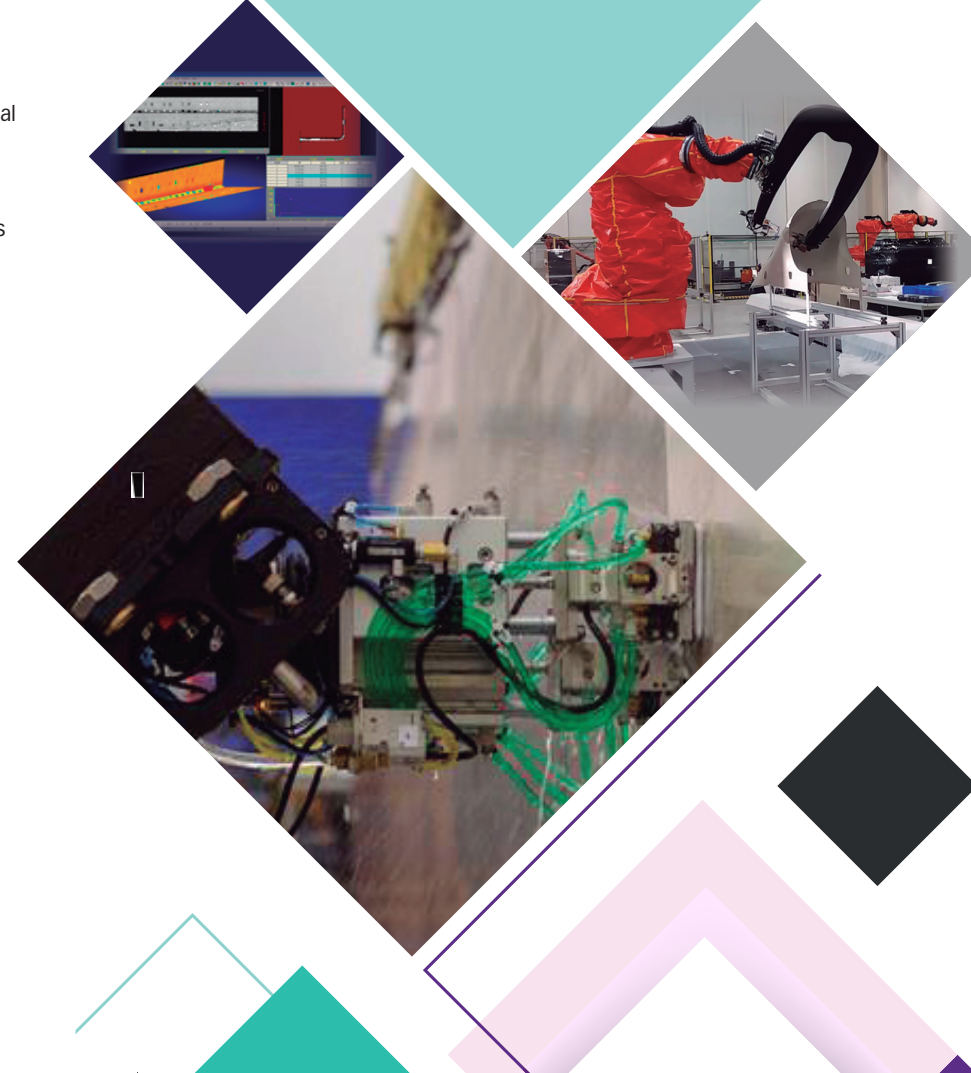


## System Characteristics

- Automated NDT Inspection system
- Industrial Robot arms and components of renowned international manufacturers
- Full part coverage and real 3D inspection
- Powerful Tecnatom SONIA UT electronics
- Full functionality of InspectView UT software, including 3D views
- Falcom 3D Productive Laser teaching
- Gentray3 user friendly programming environment
- Wide range of UT inspection tools available for different geometries (skins,  $\Omega$  and T-shaped stringers, spars, radii areas, etc.)
- Fully automatic tool changer that is compatible with all current and future inspection tools
- Taurus twin allows parallel work on different parts in multiple inspection zones

## Proven Advantages

- Flexible, wide range of products with complex geometries
- Productive, high speed and Phased Array technology
- Scalable, modular solution to laminate the required investment
- Multi-Method, able to integrate different NDT methods
- Integrated, a unified environment for the complete inspection process
- Proven, TECNATOM proprietary technology supplied to many customers worldwide
- Maintainable, built with high quality industrial components of renowned global suppliers
- Taurus twin allows parallel work on different parts in multiple inspection zones



## Available Configurations

- Taurus, an industrial robot arm is usually mounted on a linear axis to increase the working volume
- Taurus Yoke, for transmission technique on small and medium sized parts
- Taurus Turntable, for (semi-)circular parts a turntable can be added as an interpolated axis
- Taurus Twin, duplicating the Taurus architecture: both robots can cooperate for transmission techniques on big parts and both robots can work in parallel
- Taurus Tank, including an immersion tank for inspection in total immersion
- Custom, any combination of all the configurations above (and more) is possible!

## Taurus NDT Methods

- Ultrasonics, the workhorse of NDT in composite manufacturing with Tecnatom proprietary technology
- Eddy Current, with Tecnatom ETBox to detect surface defects in metallic or other conductive materials
- Shearography, speckle pattern interferometry can be included to complement other methods
- Thermography, active infrared thermal imaging
- Radiography, digital radiography for fabrication and MRO purposes
- Geometrical Verification, non-contact methods for local or global verifications of part dimension