

Automated NDT Equipment

Development of custom-build NDT inspection solutions for aerospace manufacturers



Applus+ Laboratories provides cost-effective, time-efficient and superb-quality NDT solutions for metal and composite materials. We specialize in the development of custom-build automated NDT equipment for aerospace manufacturers.

NDT EQUIPMENT ENGINEERING

State-of-the-art customized automated NDT machines: robotic systems, gantry systems, immersion tanks.

- High accuracy machinery capable of inspecting **large and complex components**.
- Up to **32-axis** in synchronized motion working in a single coordinate system.
- **Multiple inspection technologies:** conventional ultrasonics, phased array, thermographic and digital x-ray inspections

OPTIONAL SYSTEMS & ACCESSORIES

- Turntables
- Part Scanning Fixtures
- Transport & Storage tools

UNIQUE SOFTWARE & INTERFACE

- **Scan Configuration:** Fast teaching tools, CATIA Import, Fully integrated motion control, Multiple Ultrasonic parameters inspection, 8 Oscilloscope data collection screens
- **Scan Results:** Real time data, Multiple data set screen representations, Evaluation

tools (defects characterization)

NDT MACHINES CO-LOCATION

- Co-location of machines and inspectors in customer facilities to conduct customized NDT programs.
- NDT certification, qualification and maintenance programs