

# Automated Non Destructive Inspection (NDI) Equipment

Development of custom-built Non destructive inspection solutions for aerospace manufacturers.



[Arcadia Aerospace Industries](#), a division of Applus+ Laboratories USA, provides cost-effective, time-efficient and superb-quality NDI solutions for metal and composite materials. We specialise in the development of custom-built automated NDI equipment for aerospace manufacturers.

## NDI Automated Equipment Engineering

**State-of-the-art customised automated NDI machines:** robotic systems, gantry systems, immersion tanks.

- High accuracy machinery capable of inspecting **large and complex components**.
- Multi axis, synchronised motion working in a single coordinate system.
- **Multiple inspection technologies including:** conventional ultrasonics, phased array, optical teaching and CMM, airscan, thermographic and digital x-ray inspections. Other NDI methods can be added on request.

## Benefits of Using Non Destructive Inspection (NDI) Equipment

Non Destructive Inspection (NDI) equipment allows for the detection of defects without damaging the materials, offering cost savings, enhanced efficiency, and improved safety. It facilitates real-time analysis, supports compliance with industry standards, and ensures the longevity and reliability of critical components.

## Optional Systems and Accessories

Here are some of the optional systems and accessories used with NDI equipment:

- Turntables
- Part Scanning Fixtures
- Transport and Storage tools

## Unique Software and Interfact

- **Scan Configuration:** Fast teaching tools, CATIA Import, Fully integrated motion control, Multiple Ultrasonic parameter inspection, 8 Oscilloscopes of data collection screen
- **Scan Results:** Real time data, Multiple data set screen representations, Evaluation tools (defects characterization)

## NDI Machines Co-location

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

## Why choose Applus+ Laboratories for Automated Non Destructive Inspection (NDI) Equipment?

Choosing [Applus+ Laboratories](#) for your neutron imaging supplies means partnering with a trusted leader in [non-destructive testing solutions](#). Our wide range of products, coupled with our commitment to customer satisfaction, makes us the ideal partner for all your neutron imaging needs.

Let us provide you with standard or customised supplies tailored to your specific project requirements.

- **Wide Range:** From advanced robotic arms to integrated imaging systems, we offer a comprehensive suite of NDT equipment. Our portfolio ensures you have all the necessary tools for every aspect of non-destructive testing.
- **Quality Assurance:** All our equipment adheres to rigorous ASTM and international standards, guaranteeing high performance and dependable results in your testing processes.
- **Customisation:** We specialise in configuring our products to meet your specific requirements, ensuring you have the optimal equipment tailored for your unique testing scenarios.



- **Expert Assistance:** Our team of seasoned professionals is always on hand to provide expert advice and support, helping you maximise the effectiveness of our automated NDT solutions.
- **Global Reach:** With operations across multiple countries, we are equipped to supply our advanced NDT equipment to clients worldwide, ensuring you receive top-notch technology regardless of your location.

Let Applus+ Laboratories be your trusted partner for all your automated NDT equipment needs. We are dedicated to supporting your projects with our high-quality products and expert services.