Providing solutions with reliable output for enabling data-driven decisions in inspections.

DHVANI ANALYTIC INTELLIGENCE

DELIVERING NDE 4.0 WITH AI

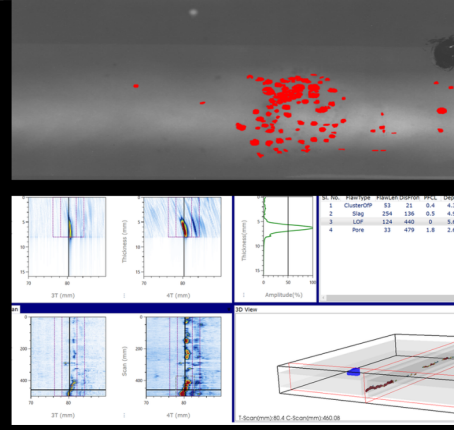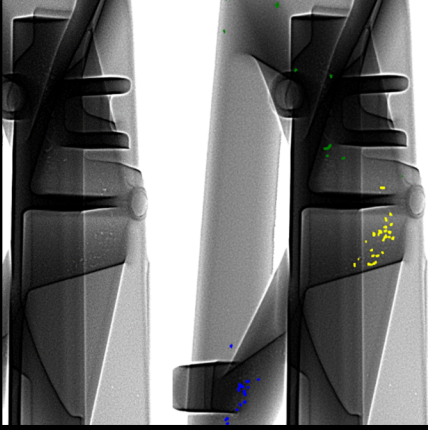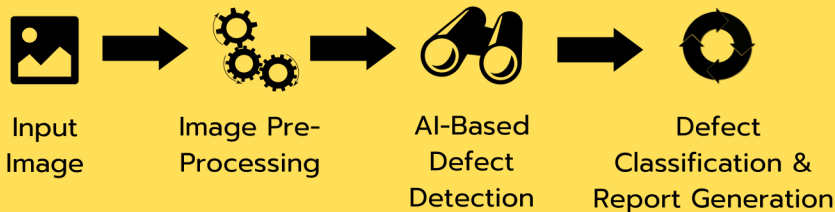www.dhvaniAI.com

GET IN TOUCH

WHAT WE OFFER

AUTOMATED DEFECT RECOGNITION (ADR)

Our ADR solutions efficiently assesses and detects defective regions in components, in accordance to user input and industrial standards.

OUR ADR PROCESS

Input Image → Image Pre-Processing → AI-Based Defect Detection → Defect Classification & Report Generation

DOMAINS

- Radiography (Film, CR and DR)
- Ultrasonic
- Phased Array UT
- Magnetic Particle Inspection
- Fluorescent Particle Inspection

BENEFITS

- Quickly find critical defects and potential defect regions.
- Customize based on user input and industrial standards.

COMPUTER VISION

Our solutions help you gain deeper insight about your operations from images, videos and data collected using 2D vision, 3D vision, robotic vision and video analytics.

OUR FRAMEWORK

Analyze Data from Cameras & Robots → Make Decision and Perform Actions. → Record or Return Flagged Results

APPLICATION AREAS

INSPECTION	Object Quality Condition, Defect Detection, Parts Assembly, Fill Level
IDENTIFICATION	Object Type or Size, 2D & 3D Bar Codes
GUIDANCE	Position & Control Movement of Robots & Systems
GAUGING	2D & 3D Profile & Distance Measurements
SOP PROTOCOL	People Counter, Item Tracker, Process Control, Safety, Quality Standards