DHVANI RESEARCH

Fully Automated Digital X-Ray Inspection for Alloy Castings

Digital X-RAY Inspection

Radiography inspection for as-cast alloyed components in a Fully Automated mode including pick and place robot and Automatic Defect Recognition (ADR) Software resulting in high reliability and through-put in Automotive/Aerospace Manufacturing with high POD and low FCR in component sentencing.

System Features

- 100% Shielding cabinet for safe installation in manufacturing lines.
- Customisation of hardware and software.
- Energy from 60-450 keV
- Typical samples up to 1m x 1m x 1m
- Defects detected and sized using Automated AI based ADR S/W
- High POD and Low FCR.
- Porosity, Cracks, Inclusions, Sand ingress, detected, identified & sized.
- ASTM/ISO acceptance standards.
- Minimal operator dependency.

Optimization

Fast Inspection

Productivity

Profit

Customer satisfaction

WHY DHVANI RESEARCH ?

- NDT Automation Experts with 10 years of Experience.
- Leaders in ADR Software for Auto and Aero components.
- Proven Track Record of Reliability and Service.