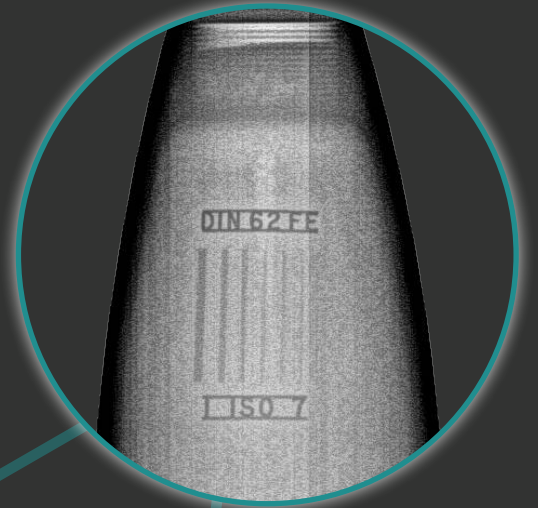


Industrial X-ray Imaging

Providing digital X-ray inspection systems and services utilizing 2D Digital Radiography (DR) and 3D Computed Tomography (CT).



VJ TECHNOLOGIES

A Leader in Digital X-Ray Technology

Proudly working with the public and private sectors since 1987.

ABOUT US

In **1987**, VJT was awarded its very first job with the government. **33+** years later, VJT continues to deliver world-class, custom digital X-ray inspection systems and services.



MISSION STATEMENT

To deliver confidence in product quality by building better X-ray technology.

KEY RESOURCES



R&D:

- Coding of **Artificial Intelligence (AI)**, **Machine Learning (ML)**, and **Deep Learning (DL)** for **Industry 4.0 & Big Data**.



Manufacturing

- 100% in-house design and manufacturing of turnkey Systems
- Microfocus, Standard, and High Energy Labs on site.



Microfocus 40kV - 300 kV

for: Medical Device & Electronics

Standard 80kV - 450 kV

for: Automotive & Aerospace

High Energy 450 kV - 9 MeV

for: Infrastructure & Ordnance

LEADING THE WAY

As a Member of the **Metals Affordability Initiative (MAI)** Committee, VJT helped:

- Transition the Air Force to using **Assisted Defect Recognition (ADR)** for final acceptance of aerospace castings.
- Develop Digital Radiography guidelines for aerospace castings, now known as the **ASTM guidelines** by which we abide today.

MARKETS/CUSTOMERS



Defense



Medical



Aerospace



Automobile



Security



Energy



Nuclear



Electronics

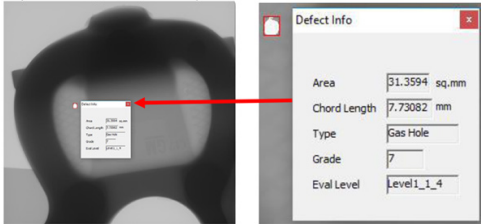
Partial List:



CORE COMPETENCIES

ADR

Automatic Defect Recognition



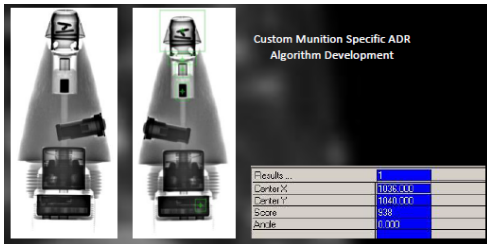
Operator Assisted ADR Results

ADR aids in **interpretation of defects** by detecting, characterizing, and measuring them.

ADR can also make **pass/fail** judgements for various criteria.



Finding patterns by mapping defects over large sample sizes of parts



Verifying Correct Assembly

ADE

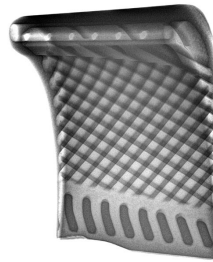
(Automatic Defect Enhancement)

1



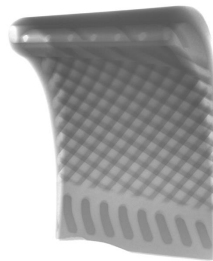
Raw Image

2



Standard ADE Processed Image

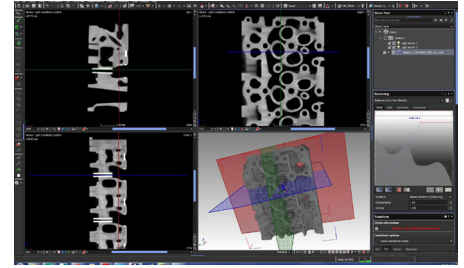
2



ADE w/ Noise Suppression Processed Image

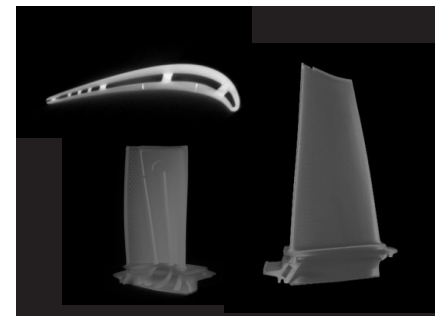
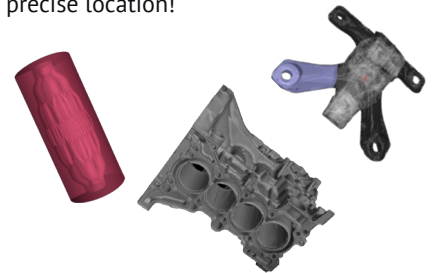
HIGH ENERGY

Computed Tomography



CT Imaging & Review Software

Allows user to review each "slice" of a 3D volume in X-Y-Z coordinates... every defect is visible and has a precise location!



MUNITIONS SYSTEMS SOLUTIONS

CUSTOM INSPECTION SYSTEMS:



High Vol 60mm - 155mm rounds



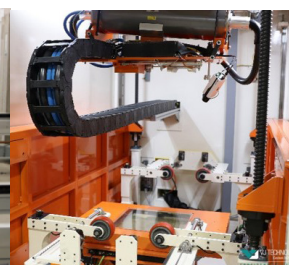
155mm rounds



Automated ADR fuze



105mm rounds



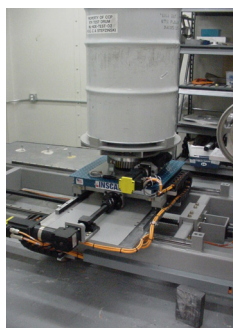
Automated rocket motor

Our Certifications and Compliances

- 1 We deliver customer confidence in all our inspection operations via our qualified professionals and the certified management systems that we use.

- NAS410
- ASNT
- FAA
- IRRSP
- NQA-1
- AS9100/ISO9001
- ITAR

- 2 We have a proven record with the US DOE as the sole commercial provider of mobile, high end-x ray inspection technologies and services to support nuclear waste remediation and inspection requirements.



Our U.S Locations and Partnerships

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