



High-Energy X-ray

VJ Technologies (VJT) is a world leading provider of High Energy Digital Radiography and Computed Tomography (CT) X-ray inspection systems and Non-Destructive Test (NDT) services. Our experience covers a wide array of industries including Nuclear, Automotive, Aerospace and Defense.

VJT inspection systems are custom designed and built to meet our customer's specific inspection needs. We also provide High Energy inspection services for quick turnaround short run parts inspection, dose rate accumulation studies, and radiation-exposed component life cycle testing.

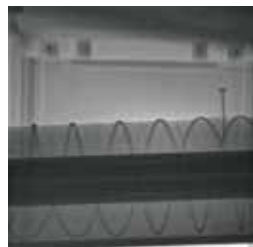
High Energy Digital Radiography, Computed Tomography X-ray Inspection Systems & Services

We Offer

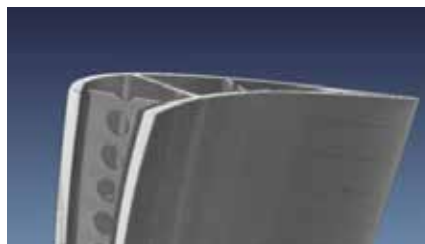
- High density inspection facilities in New York and Connecticut
- Ability to penetrate concrete and steel up to 16 inches (400mm) thick
- Inspection of bulk materials, heavy metal, automotive and marine castings, and large caliber munitions
- Nuclear waste characterization
- Radiation exposure testing



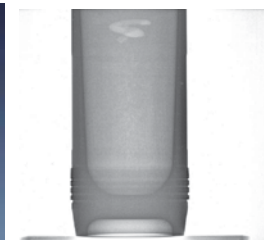
CT Reconstruction of IGT Vane



Copper Conductor with Insulation



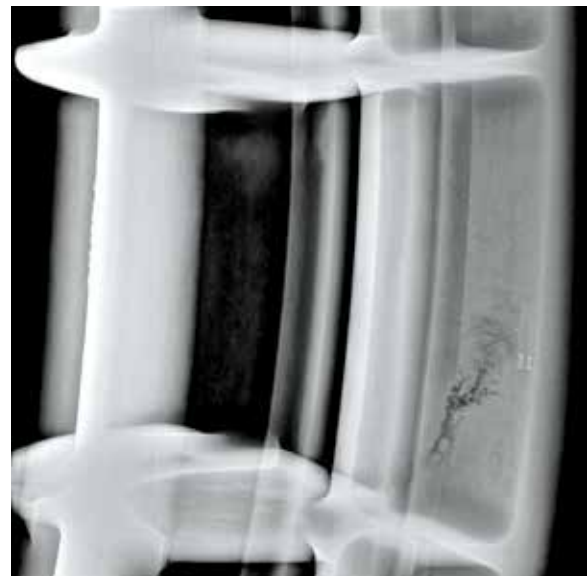
Valve Body



Valve Body Image

Applications and Services

- **Turbine Blades**
CT and DR imaging of Turbine Blade root and airfoils
IGT Vane Assemblies CT and DR imaging
- **Munitions**
Artillery Rounds
- **Automotive Components**
Iron Control Arms, Steering Knuckles
- **Plant Components**
Large Valve Body Castings
- **Nuclear Waste Characterization**
Box and Drum Evaluations: Lead Lined; Concrete filled



Bronze Casting Image

Experience

- Over 20 years providing High Energy X-ray systems and services
- Experts in Industrial, Automotive, Nuclear, Defense and Aerospace Non-Destructive Testing (NDT)
- Research and Development projects
- Failure Analysis and Root Cause Investigations
- Routine imaging and inspection services



High Energy Vault

Example of Image Performance



Heavy wall pipe showing sensitivity

Capabilities

- X-ray energies of up to 9 MeV
- Fully automated material handling
- Flexible part manipulation techniques
- Unlimited sample size capacity
- ANSI N43.3 compliance
- Automatic Defect Recognition (ADR)
- Analysis of data



Valve Body along side a wax pattern

VJ Technologies Offices

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