

NUCLEAR CHARACTERIZATION

SYSTEMS & SERVICES

VJ Technologies provides systems and services to the nuclear industry for the characterization of low-level waste (LLW) and transuranic waste (TRU), prior to disposal.

VJT's experience is in the design, fabrication, and commissioning of integrated nuclear waste characterization systems and in the provisioning of global waste characterization services.

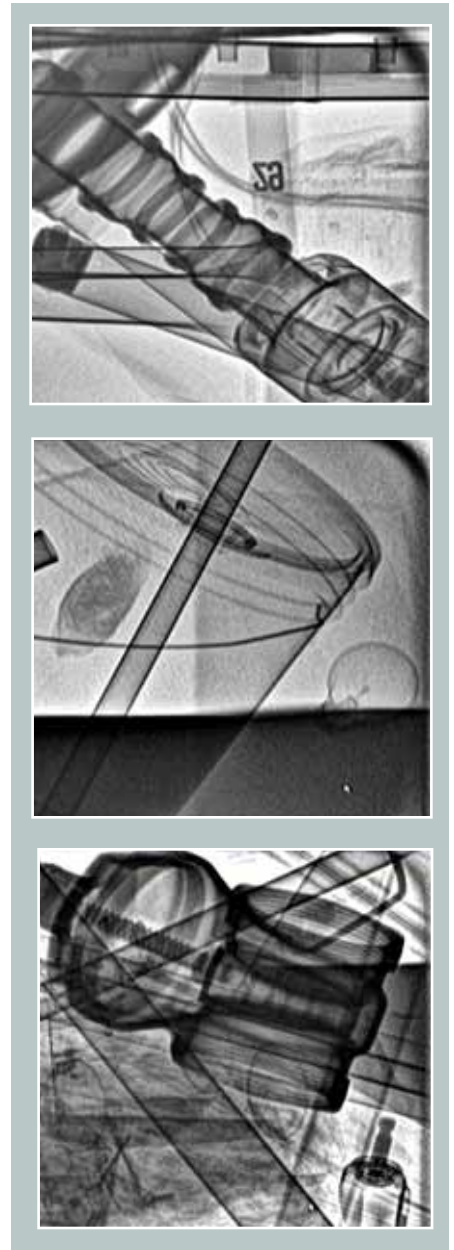
Current Technologies:

- ▶ Real time radiography (RTR) energies to 450kV
- ▶ High-Energy RTR with x-ray energies up to 6MeV
- ▶ High Resolution Digital Radiography & CT
- ▶ High Resolution Gamma Assay (TGS/HRGS)
- ▶ Neutron Assay
- ▶ Automated Surface Contamination
- ▶ Dose rate monitoring
- ▶ Automated Materials Hardness Testing
- ▶ Visual Inspection via CCTV
- ▶ Automated Waste Package Handling
- ▶ (200 litre drums - large box)
- ▶ Waste Package Tracking and Data Management

We provide compliance with site-specific regulations, state regulations, federal regulations and international standards. All systems and services are compliant with site-specific regulations and country-specific regulations.



NUCLEAR STANDARD QUALITY TESTING

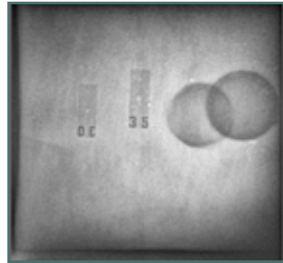
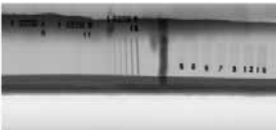


QUALITY TESTING OF CONSTRUCTION COMPONENTS:

Quality Testing:



Inspection and quality checking to validate build-quality is an essential part of nuclear facility construction. VJ Technologies manufactures digital inspection systems and provides services for the inspection of pipe welds, heavy castings, large valves, assembled components and equipment. Imaging techniques range from micro-focus x-ray through high-energy x-ray are provided to enable a wide range of customer applications to be satisfied.



BARREL & SOLID WASTE BOX INSPECTION



Quality Programs

Standards Compliance

USA



(NRC & DOE)
ASME NQA-1
10 CFR 830-120.



VJT EUROPE
ISO9001-2000

ASTM

ASTM - E1000
ASTM - E1255
ASTM - E1742
ASTM - E1491

API

API - 5L
API - 1104
API - RP577

ASNT

ASNT- ATC-1
NAS - 410