



# VJ TECHNOLOGIES

## TECHNOLOGY FOR GLOBAL MARKETS









# VJ TECHNOLOGIES



For over 20 years, [VJ Technologies](#) has supplied leading-edge solutions for x-ray inspection markets with advanced radiographic digital imaging products and services.

Our highly-specialized divisions develop and manufacture a complete line of standard and custom x-ray inspection systems for the industrial, electronic, medical and nuclear industries. We provide certified NDT training, global maintenance support, and cost-effective turn-key solutions. To serve our ever expanding markets, [VJ Technologies Europe](#) is the sole provider of medical equipment sales and service in the European community. Together, we deliver a competitive advantage over other companies through our vast network of global offices.

[VJ Technologies](#) is dedicated to nurturing new technologies and providing solutions to tomorrow's challenges through intensive research and development.



## X-Ray Solutions

VJ Inspection Systems offers state-of-the-art x-ray inspection solutions for the most demanding imaging applications. Our solutions provide high-quality images for advanced diagnostic capability, enhanced quality control, and improved component information. By providing precise data through highly detailed x-ray inspection, our solutions enable users to fine-tune processes, minimizing non-conforming material production. Non-destructive testing techniques include: conventional x-ray inspection, microfocus x-ray, computed tomography (CT) and high-energy (up to 9MeV). Vertically integrated, VJ Inspection Systems provides operationally proven x-ray inspection technology and equipment for a variety of industrial and government applications.

Our wide range of standard and custom products, and software products assist manufacturers with challenging nondestructive testing applications. VJ Inspection Systems provides product development and application-specific solutions to meet unique and challenging requirements. Our standard products include C-Arm, T-Conveyor, and multi-axis inspection systems compatible with most components and castings. VJ Technologies is also the leader in custom designed and manufactured systems for major industries.

## Industry Proven Systems

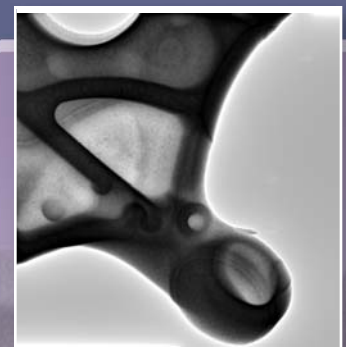
VJ Inspection Systems integrates proven technology and standard designs with modern manufacturing processes to develop leading x-ray inspection solutions for a variety of quality control and non-destructive testing (NDT) applications. Our customer base operates in a variety of fields including nuclear waste disposal, electronics, welding, castings, food service, aerospace, automotive, and custom military applications.



**C2500 C-Arm Inspection System**



**Standard Vault Systems**



**High resolution image**



**W4000 Wheel Inspection System**





# VJ INSPECTION SYSTEMS

A VJ Technologies Company

## Inspection Services

Our inspection services team provides an alternative solution to total cost of ownership through x-ray inspection services performed at our facility. We offer the most appropriate inspection technology for your application. Our in-house service is ideally suited for situations where the need does not support the purchase of an inspection system or is just a temporary one time requirement.

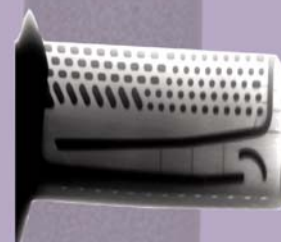


## Mobile Services

In addition to in-house services, VJT provides mobile nuclear characterization and pipeline inspection services throughout the world.

## Turn-Key Services

VJ Technologies has the most comprehensive in-house x-ray inspection service capability in North America. Together with our fleet of trailer-based x-ray systems, fully qualified, trained and experienced personnel, we provide a cost-effective NDE service for all types of x-ray inspection, either in our facilities or at your site. We take responsibility for equipment performance, systems operation, oversight of all x-ray inspection activities, image archival, and documentation of results. Utilizing this strategy, the customer avoids the cost of purchasing capital equipment, plus the time and expense to train operators or to install equipment.



*Munition projectile, turbine blade, and wheel x-ray images*

# SURFACE MOUNT TECHNOLOGY

## Rework & X-Ray Systems

VJ Electronix utilizes its technical expertise and visionary product development team to deliver solutions to your most difficult x-ray inspection and SMT rework challenges.

VJ Electronix is the one-stop source for x-ray inspection and rework systems built for the production environment. Our state-of-the-art solutions include proven x-ray inspection technology to identify defects and track process quality, plus high efficiency, automated rework for fast, precise repair of thermally challenging applications. The result is more accurate inspection, higher throughput and quality, and improved feedback to control your process.



*Vertex Series-A x-ray Inspection System*

## Boost Productivity

Backed by a heritage that combines VJ Technologies' industrial x-ray expertise and SRT's advanced rework technology, VJ Electronix solutions provide the test, validation, and quality control needs for a variety of electronics applications. Our manual and automated x-ray inspection systems offer precise defect detection and quality verification. Our semi-automated and automated rework stations are particularly suited for lead free applications ranging from CSP, Flip Chip, 0201/01005, through large CGA, CPU sockets, and connectors.



*Summit - The industry standard for rework*



# VJ ELECTRONIX

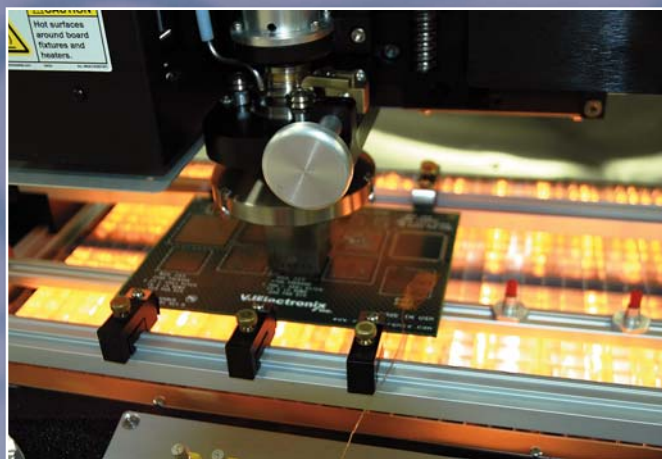
A VJ Technologies Company



*IR Preheaters for lead-free hand soldering*



*PMT 400 - High end performance bench top*

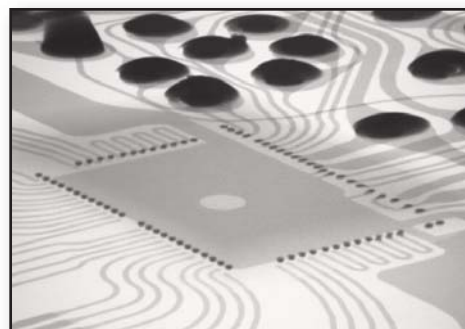


*PMT 400 pre-heater in action*

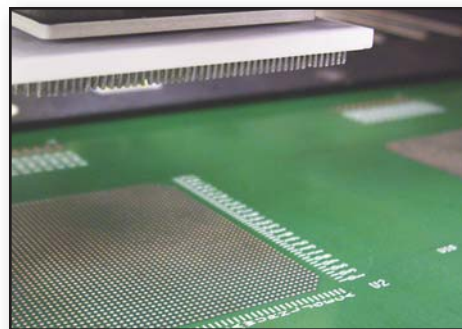
## Global Service

In addition to our engineering and manufacturing activities, we at VJ Electronix are dedicated to serving our customers worldwide. We offer unparalleled support with the objective of optimizing equipment performance. Whether you need training, technical applications assistance, spare parts or a comprehensive preventive maintenance contract, we work hard to simplify all aspects of owning a Summit Rework or VJ x-ray system.

Our customers have access to our team of experienced service personnel to help in applications and the resolution of any technical problems that may arise.



*Microfocus x-ray image of flip-chip solder bumps*



*Reworking Ceramic Column Grid Arrays (CCGA)*



## MEDICAL SYSTEMS

### Direct Radiography Acquisition Systems

VJ Medical Systems offers digital veterinary x-ray solutions that combine advanced image processing, superior software, and robust, reliable hardware at a highly affordable price.

Designed with the help of veterinarians, our direct digital veterinary x-ray solutions include acquisition systems, laptop and desktop workstations, monitors, and PACS servers. Our veterinary x-ray machines are supported by a team of applications experts and support technicians that ensures years of reliable, cost-effective operation.



### Increased Workflow

By bringing digital imaging technology to veterinary clinics and hospitals, VJ Medical enables workflow improvement and increased productivity. Backed by almost two decades of expertise as the leading U.S. industrial x-ray manufacturer, the company has combined advanced radiography technologies to create cost-effective solutions that streamline practice workflow while enhancing animal care. VJ Medical's advantage lies in superior image analysis, providing applications that deliver enhanced image quality and flexible data management.

### Direct Radiography Acquisition

Direct radiography is quickly becoming the new gold standard for its ability to speed workflow, cut costs, and increase productivity. VJ Medical's direct radiography acquisition system works with your existing x-ray source. The system captures an image immediately for display on a diagnostic monitor. Images may then be reviewed, enhanced, burned to a CD and/or automatically pushed to a server for circulating throughout the clinic or sharing with outside specialists.



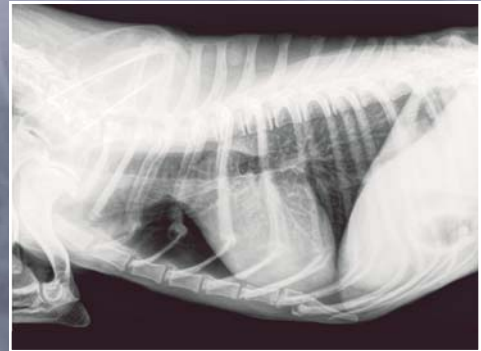


# VJ MEDICAL SYSTEMS

A VJ Technologies Company

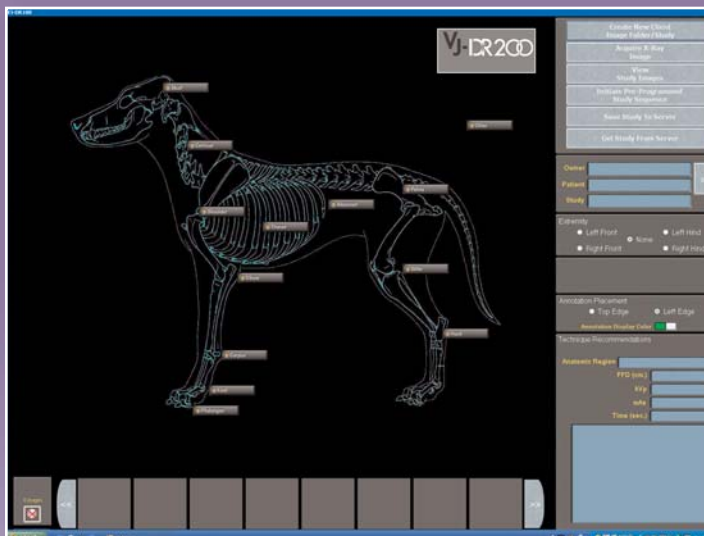
## Veterinary Digital x-ray Services

VJ Medical Systems offers a full range of support services to help maintain the exceptional performance of your veterinary digital x-ray system. These include: technical support, training services, installation and integration services, and service contracts.



## Flexible, Intuitive Systems

VJ-DR systems can be integrated seamlessly into any existing x-ray suite upgrading a film system to a digital system. VJ-DR imaging detectors can be readily configured to work with virtually all existing x-ray tables and streamlined acquisition tools that allow more focus on the patient.



*User-friendly interfaces cut processing time*



## Worldwide Support

To serve our ever expanding markets, VJ Technologies Europe is the sole provider of medical equipment sales and service in the European community.



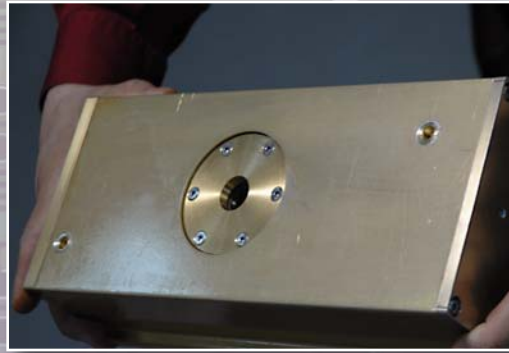
**VJ TECHNOLOGIES**  
MEDICAL SYSTEMS EUROPE

## HIGH VOLTAGE SOLUTIONS

### System Components

The High Voltage division develops and manufactures a complete line of high-voltage generators and power source blocks for industrial suppliers. Our components integrate into a wide range of applications including medical, security, and industrial NDT.

The rugged IXS Series has operated in the extremes of Saudi deserts and Alaskan frontiers with formidable results. With a weight of less than 40 lbs. and a power range of 1kV to 160kV, the IXS Series is the ultimate compact power source.



## HIGH ENERGY x-ray SERVICES

High Energy Solutions provides services and equipment dedicated to radiographic, radioscopic, and digital non-destructive inspection requirements.

Our systems cover a variety of inspection applications, such as castings used in land-based turbine engines and nuclear power generators; artillery and mortar munitions rounds; and nuclear characterization.



Our technology penetrates very high density materials, including concrete and metals up to 16 inches thick. This capability facilitates the x-ray inspection of bulk materials, heavy metal castings, and industrial and military products.







**www.vjt.com**

Corporate Headquarters  
89 Carlough Road,  
Bohemia, New York, 11716-2903 USA  
Tel: 1-800-VJT-XRAY, (631) 589-8800

ATLANTA, GA.  
EAST HAVEN, CT.  
LITTLETON, MA.

**EUROPE SALES & SERVICE**

VJ TECHNOLOGIES EUROPE  
Z.I. de la Foret  
Rue Jules Guesde  
91860 Epinay sous Senart , France  
Ph: + 33 680 21 55 75

**WORLD-WIDE COVERAGE**

BANGALORE, INDIA  
SUZHOU, CHINA



**INSPECTION SYSTEMS**

**ELECTRONIX**

**MEDICAL SYSTEMS**

**E-mail us at:**

U.S. info@vjtcom  
Europe: ndteurope@vjt.com

©2009 VJ TECHNOLOGIES, INC.  
IMAGES MAY NOT BE USED WITHOUT PERMISSION  
REV2 OCT 2008

