

## About FocalSpot

FocalSpot sells, reconditions and supports pre-owned Nicolet X-Ray Inspection systems; providing ongoing service, parts, installation and training. With over 18 years of experience, our team of certified technical support specialists and applications engineers deliver outstanding service worldwide.

- On-Site trouble-shooting, calibration, preventative maintenance and repair
- Radiation Surveys (*any x-ray system - to ensure x-ray safety compliance, includes certification*)
- Spare parts, parts repair, installation (e.g., Kevex x-ray tubes, Image Intensifiers, power supplies, etc.)
- Image Processors upgrades (3) options, See: <http://www.focalspot.com/inspection-software.htm>
- Systems & Software Operator and applications training

For more information see: <http://www.focalspot.com/pdf/Brochure-Nicolet-PM-Service.pdf>

## Items Currently in Stock

### # 1

**Product:** X-Ray Inspection System  
**Manufacturer:** Nicolet Imaging Systems (NIS)  
**Model:** NXR-1400i Series  
**Year of Mfr.:** 1997  
**Condition:** Refurbished to factory specs  
Safety tested and x-ray certified  
**Description:** The NXR-1400i x-ray inspection system for production quality assurance, failure analysis and rework verification.

System Includes:

- Sample Handling: 18x24"
- Footprint: 72" (H) x 61.5" (W) x 50" (D)
- X-Ray Source: 20-120kv
- Focal spot size: 10 micron
- Image Detector Type: 4" (10cm)
- Magnification: Up to 175X
- Motion control: X/Y sample table, tube Z<sub>1</sub> / detector Z<sub>2</sub>
- Variable speed joystick control
- Image Processor: VPC-30 w/ 12" B&W monitor
- Manuals included

Nicolet, NXR-1400i



**Base Price:** **Call for price and availability**

**Status:** Available Now, refurbished to factory specs

**Warranty:** 30 day labor warranty (Included)

**Options:**

- Optional Image Processors See: <http://www.focalspot.com/inspection-software.htm>
- Extended warranty available (quoted separately)

**Installation:** Shipping, Installation and Training quoted separately

# 2

**Product:** X-Ray Inspection System  
**Manufacturer:** Nicolet Imaging Systems (NIS)  
**Model:** NXR-1400iP (Programmable)  
**Year of Mfr.:** 1997  
**Condition:** Refurbished to factory specs  
**Description:** The NXR-1400iP x-ray inspection system for production quality assurance, failure analysis and rework verification.

System Includes:

- Sample Handling: 18x24"
- Footprint: 72"(H) x 62"(W) x 50"(D)
- X-Ray Source: 20-120kv
- Focal spot size: 8-45 microns (auto adjusting w/power)
- Image Detector Type: 4" (10cm)
- Magnification: Up to 175X
- Field-of-View: up to 2.1" w/zoom
- Motion control: X/Y sample table, source Z<sub>1</sub> / detector Z<sub>2</sub> /x zoom Z<sub>3</sub>
- Variable speed joystick control
- Image Processor: AIP-II image analysis and measurement software (upgradeable, see options below)
- Manuals included

**Nicolet, NXR-1400iP  
Photo of pre-reconditioned unit**



**Base Price:** **Call for price and availability**

**Status:** **In test**

**Warranty:** 30 day labor warranty (Included)

**Options:**

- Optional Image Processors See: <http://www.focalspot.com/inspection-software.htm>
- Extended warranty available (quoted separately)

**Installation:** Shipping, Installation and Training quoted separately

# 3

**Product:** X-Ray Inspection System  
**Manufacturer:** Nicolet Imaging Systems (NIS)  
**Model:** NXR-1400iP (Programmable)  
**Year of Mfr.:** 1998  
**Condition:** Refurbished to factory specs  
**Description:** The NXR-1400iP x-ray inspection system for production quality assurance, failure analysis and rework verification.

System Includes:

- Sample Handling: 18x24"
- Footprint: 72"(H) x 62"(W) x 50"(D)
- X-Ray Source: 20-120kv
- Focal spot size: 8-45 microns (auto adjusting w/power)
- Image Detector Type: 4" (10cm)
- Magnification: Up to 175X
- Field-of-View: up to 2.1" w/zoom
- Motion control: X/Y sample table, source Z<sub>1</sub> / detector Z<sub>2</sub> /x zoom Z<sub>3</sub>
- Variable speed joystick control
- Image Processor: AIP-II image analysis and measurement software (upgradeable, see options below)
- Manuals included

**Nicolet, NXR-1400iP  
Photo of pre-reconditioned unit**



**Base Price:** Call for price and availability  
**Status:** In test  
**Warranty:** 30 day labor warranty (Included)  
**Options:**

- Optional Image Processors See: <http://www.focalspot.com/inspection-software.htm>
- Extended warranty available (quoted separately)

**Installation:** Shipping, Installation and Training quoted separately

**SOLD**

# 4

**Product:** X-Ray Inspection System  
**Manufacturer:** Nicolet Imaging Systems (NIS)  
**Model:** NXR-1500  
**Year of Mfr.:** October 2002  
**Condition:** Excellent  
Refurbished to factory specs  
Safety tested and x-ray certified  
**Description:** The NXR-1500 x-ray inspection system is a High-resolution, large field-of-view (2.1") system that is ideal for production quality assurance, failure analysis and rework verification.

System Includes:

- Sample Handling: 18x24"
- Footprint: 75"(H) x 60"(W) x 56"(D)
- X-Ray Source: 90 kV
- Focal spot size: 5 micron
- Field-of-View (FOV): 2.1"
- Image Detector Type: 4" (10cm)
- Magnification: Up to 240X
- Motion control: X/Y sample table, detector Z<sub>1</sub> - tube Z<sub>2</sub> - Tube Z<sub>3</sub>
- Variable speed joystick control
- Image Processor: See options below

**Base Price:** **Call for price and availability**

**Status:** Available now

**Warranty:** See options

- Options:**
- Optional Image Processors See: <http://www.focalspot.com/inspection-software.htm>
  - Extended warranty available (quoted separately)

**Installation:** Shipping, Installation and Training quoted separately

**Nicolet, NXR-1500**  
\* Shown with optional 15" LCD monitor



# 5

**Product:** X-Ray Inspection System  
**Manufacturer:** Microfocus Imaging  
**Model:** Micro RT  
**Year of Mfr.:** 1994  
**Condition:** Refurbished to factory specs  
Safety tested and x-ray certified  
**Description:** The Micro RT x-ray inspection system has broad low x-ray energy applications such as quality assurance, prototyping and general inspection of virtually any samples that the enclosure will accommodate.

System Includes:

- Sample Handling: 14x17"
- X-Ray Source: 70kv (tested & calibrated)
- Focal spot size: 10 micron
- Image Detector Type: 4/6"
- Motion control: X/Y/Z sample manipulator
- Variable speed joystick control
- Image Processor:  
MFI-2000 Image Processor
- Operators Manuals

**Microfocus Imaging, Micro RT**



**Base Price:** **Call for price and availability**  
**Status:** Available December 2006  
**Warranty:** 30 day labor warranty (Included)  
**Options:** • Extended warranty available (quoted separately)  
**Installation:** Shipping, Installation and Training quoted separately