

# X-ray System Upgrade Packages

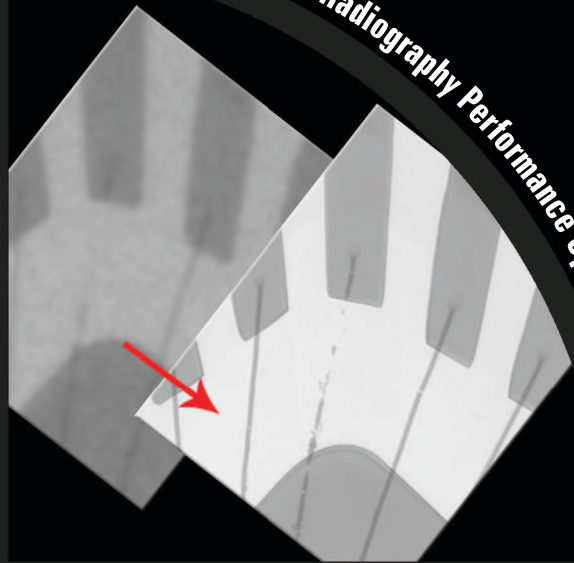
## Digital Radiography & Computed Tomography

- ✓ Offered by NO other company in the industry!
- ✓ Installation in as fast as two hours!
- ✓ Fraction of the cost of a new system!

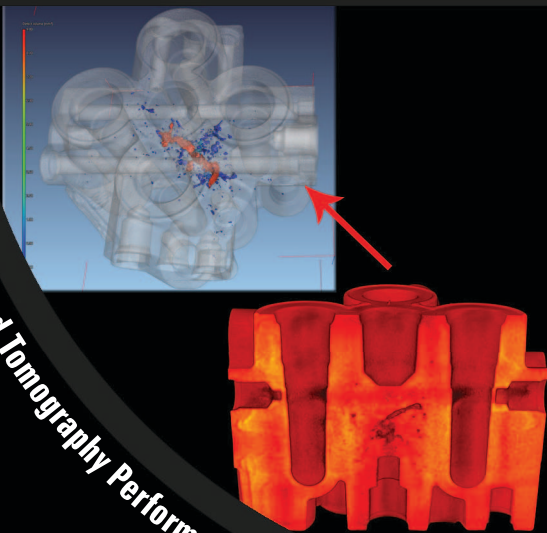
Film to Digital X-ray Conversion



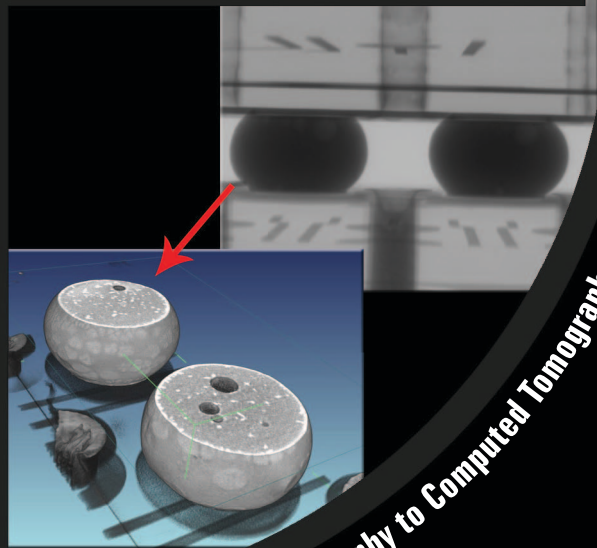
Digital Radiography Performance Upgrade



Computed Tomography Performance Upgrade



Digital Radiography to Computed Tomography Upgrade



NORTH STAR IMAGING, INC.





# X-RAY & CT UPGRADE PACKAGES



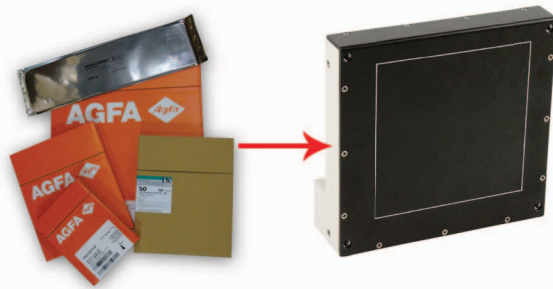
## Film to Real Time Digital Radiography Conversion

### Benefits:

- Less consumables = Reduced Costs
- Real time evaluation capability = Increase Productivity
- Higher resolution results = Increased Inspection Capabilities/Quality Control

### Typical package includes:

- New digital flat panel x-ray detector (\*NSI will help you choose the best detector for your specific application)
- New software
- New real time workstation



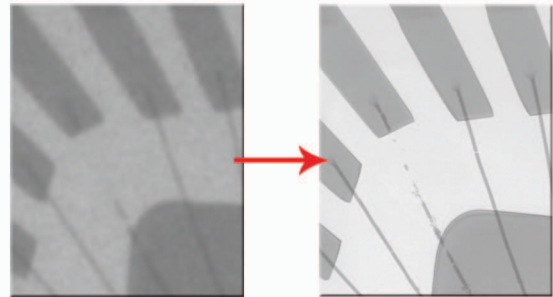
## Real Time Digital Radiography Performance Upgrade

### Benefits:

- Updated software = Increased Productivity and Higher Resolution Results
- Higher resolution results = Increased Inspection Capabilities/Quality Control

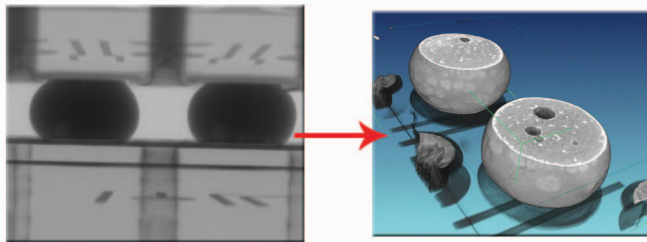
### Typical package includes:

- New digital flat panel x-ray detector
- New x-ray tube (mini, micro, nano) (90kV to 450kV)
- New DR acquisition and processing software



All upgrade packages include:

- ✓ Installation
- ✓ Training
- ✓ Warranty
- ✓ 1 year free software update



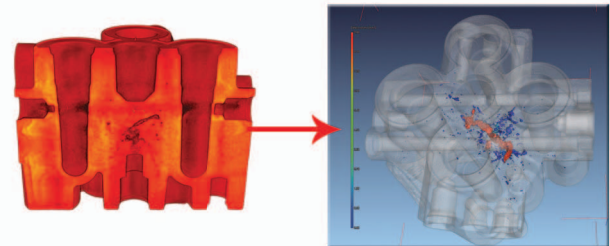
## 2D Real Time Digital Radiography to 3D Computed Tomography Upgrade

### Benefits:

- Full 3D CT capabilities without the cost of a new CT system
- 3D Metrology and Reverse Engineering capabilities
- Complete 3D inspection = Increased Inspection Quality

### Typical package includes:

- **efX-ct** software – includes calibration, reconstruction and 3D visualization
- CT workstation with GPU reconstruction capabilities
- CT acquisition software
- High precision rotational stage
- New x-ray tube and/or x-ray detector optional



## 3D Computed Tomography Performance Upgrade

### Benefits:

- Increased reconstruction speed (up to 50x faster) = Increased Productivity
- Extremely easy to use CT software = Increased Productivity
- Higher resolution results with less noise = Increased Inspection Capabilities/Quality Control

### Typical package includes:

- **efX-ct** Software - includes calibration, reconstruction and 3D visualization
- CT workstation with GPU reconstruction capabilities
- Advanced 3D Analysis Capabilities - *Geomagic/VGStudio MAX...*
- New x-ray tube and/or x-ray detector optional

