



## Automatic Part Loading & Unloading



### Autonomous Operation for Increased Productivity

#### **PRECISION ROBOTICS**

for accurate and repeatable product placement.

#### **CHOOSE THE BEST COMBINATION**

of North Star Imaging's X-ray or CT system and robot to meet your needs.

#### **SIMPLE INTERFACE**

for a superior user experience and seamless operator transition.

# Robotic Loading for Product Scanning

North Star Imaging's new robotiX technology makes automatic part loading and unloading effortless through a simple programming interface that allows the end-user to easily create new robotic motion programs. The robotiX motion control program allows for reusable safe zone sub-routines that will speed up the programming process, so your system will be up and running quickly when programming new parts. Adding a robotiX to a system reduces cycle time, increases productivity, and allows for more efficient use of the equipment. robotiX can be added to our standard X-ray & CT systems or added to existing NSI systems.

Sub-routines are like virtual building blocks that allow the operator to develop an inspection sequence on an area of a part and then take that block or sequence and apply it to a different area of the part or even another part with similar inspection requirements. If the inspection is slightly different from area to area or part to part that is where the safe zone plays a part. You simply apply the sub-routine to the new area or part and then make any slight modifications or tweaks to the program and you are done.

robotiX seamlessly integrates with NSI's efX software to acquire, process, and archive images with a user-friendly interface. The safety area scanner removes the need for a protective area, and keeps the workplace secure by disabling the system if an unintended objects or person enters the predefined operating perimeter.

## Benefits

- Automatic part loading/unloading
- Reduced cycle time for increased productivity
- Simple user interface with safe zone sub-routines
- Seamless integration with efX-DR & CT
- Ability to upgrade existing systems
- OSHA compliant safety area scanner

## Configuration

- 5 or 6 Axis
- Reach dependent upon application
- Capacity dependent upon application
- Up to  $\pm 0.00079$  in ( $\pm 0.02$  mm) repeatability
- Precision option available
- Available on the X25, X50, X3000, X5000 & X7000

## Contact us for a consultation and quote for your project:

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