

RSS-450 SHUTTLE TABLE RADIOGRAPHIC ENCLOSURE



National X-Ray Corp. continuously researches and integrates the latest technology in X-ray Inspection Systems to produce high performance inspection systems that match the specific needs of the customer application. Among these developments is the RSS-450 Radiographic Inspection Shuttle Enclosure, a model example of this drive for continuous improvement. Designed, manufactured and implemented in a customer cooperative environment, the RSS-450 has proven itself to exceed the customers expectations in every category or performance. Years of design, manufacturing and service experience make this enclosure the ideal Non-Destructive Testing partner for the radiographer.

Features

- ◆ Sized to fit most demanding, high throughput radiography demands.
- ◆ Optionally may contain digital (film-less) radiography system (a-Si, CMOS detectors)
- ◆ Up to 450 kV X-Ray energy rating
- ◆ Manually or electrically (remote) adjustable Film-Focus-Distance (FFD)
- ◆ Digital FFD read-out available
- ◆ Heavy Duty, proven mechanical design incorporates Motorized Shuttle
- ◆ Enclosure requires only standard industrial electrical supply
- ◆ Ultra-compact overall design minimizes floor-space requirements
- ◆ Wide range of optional sub-systems available that include...
- ◆ Advanced Digital Detector Panel (a-Si, CMOS) with Image Processing module IMPS III
- ◆ Digital Image Archiving, LAN ready, internet mail compatible, printing ready
- ◆ Complies with all Federal, State and Local Regulations

RSS-450 System Specifications

Application Range

- X-ray energy shielding from 100kV to 450 kV
- Test Sample weight in excess of 300 lbs

Inspection Enclosure

The RSS-450 Radiographic Enclosure is manufactured in compliance with all federal, state and local radiation safety regulations (CFR 1020.40). The enclosure may be operated continuously at the rated shielding energy. One (1) tool-accessible maintenance door is provided for ease of routine maintenance purposes and is fully safety interlocked. When opened, the interlocks disable x-ray production.

Dimensional Data (approximate):

- Enclosure only: 135" W x 120" H x 68" D
- Maintenance Access Doors: 1 each
- Optional X-ray control housing:
(Contains the x-ray control unit)
- Standard 3RU: 21" W x 12" D x 7" H
- Approximate Weight of entire system: 8,000 - 12,000 lbs

Optional Interior Viewing System

A closed-circuit camera system displays the interior of the radiographic chamber on a viewing monitor.

X-ray System

- YXLON/Philips MG-series/MGC41
- Rated for up to 450 kV, 4,500W energies

Optional Digital Radiography Systems

- The imaging system is matched to your particular application requirements and may include:
- Digital Panel Technology (a-Si, CMOS, etc.)
 - CMOS Linear Detector Technology (flatbed scanner)

Other Options

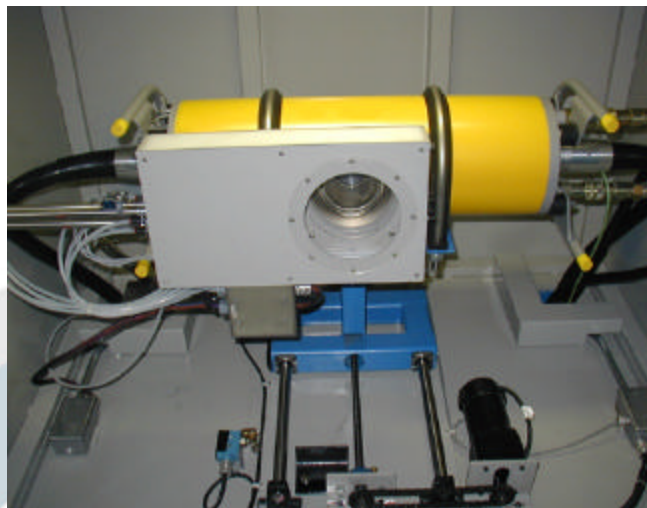
- Remote controlled Filter changer
- Motorized FFD with digital read-out
- Image Processing
- Image Archiving
- PC Network Capability
- Interior Full-Area Viewing Camera

Utilities

- 230 VAC =10%, -15%, 50/60 Hz,
- 4-wire (L1, L2, N, Gnd), 40A



Optional Digital FFD Control & Read-out



Interior view showing optional Remote Controlled Filter Changer

National X-Ray Corp. reserves the right to change product specifications, without prior notice, as part of an ongoing product improvement program.

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