

NX320-FC Film Cabinets



The National X-Ray Corp.'s line of large radiographic enclosures is designed to meet the demands of today's radiographic inspection demands. Typically applied to manual, high through-put applications, these highly configurable enclosures are delivered to specification, configured to the clients' specific use. Easily incorporated into the modern inspection environment, these enclosures can have manual, semi-automatic and fully automated x-ray system capabilities as well as additional options like filter exchangers, test part manipulators, etc. In addition, these systems can be configured to capture digital images by using one of the many digital image capturing devices available today, like amorphous silicon, CMOS (area and linear), etc.

Features

- ◆ Sized to fit most demanding, high throughput Radiography demands. Custom sizes available
- ◆ 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 reliable components
- ◆ Enclosure requires only standard electrical
- ◆ 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, Local Regs.

Application Range

- X-ray energy shielding from 100kV to 450 kV
- Test Sample weight in excess of 200 lbs

Inspection Enclosure

The NX450-FC 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: 60" W x 108" H x 60" D
- Maintenance Access Doors: 1 each
- Optional X-ray control housing:
(Contains the x-ray control unit)
- Standard 2RU: 21" W x 12" D x 5.25" H
- Approximate Weight of entire system: 6,000 - 12,000 lbs

ISO 9001 Compliant

X-ray System

- Comet & Gulmay - series/MGC41 / MP-1 / T2
- Rated for up to 450 kV, 4,500W energies

Optional DR Systems

The imaging system is matched to your particular application requirements and may include:

- Digital/Computed Radiography (a-Si, CMOS, CR etc.)
- CMOS Linear Detector Technology (flatbed scanner)

Other Options

- Remote controlled Filter changer
- Motorized FFD with digital read-out
- Image Processing
- Image Archiving
- CR Systems
- Interior Full-Area Viewing Camera

Utilities

- None required for basic enclosure

Optional Interior Viewing System

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

X-ray System

160kV, 225kV, 320kV & 450kV CP systems depending on App

Options

- Image Processing and/or System Control Module
- Full SPC Database Capability
- Image Archiving
- PC Network Capability
- X/Y Image Intensifier X/Y Shutters
- Tubehead Shutter
- Laser Alignment
- Interior Viewing CCTV Camera
- CT Capability

Utilities

- 230 VAC \pm 10%, 60 Hz, 40A, 4-Wire (L1, L2, Neutral, Ground)

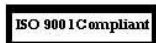


The Optional Motorized Tube Manipulator allows for ease of changing the FFD. We can use a strictly Manual PIN Type manipulator up to fully motorized with FFD Digital Readout Display.

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

National X-Ray Corp.
4181 Tanners Creek Drive
Flowery Branch, GA 30542
PH: 678.960-0080
FAX: 678.960-0080

E-mail: info@nationalx-ray.com
Web: www.nationalx-ray.com



Distributor: