

FLATSCAN DF-80

Whole Body Digital Forensic Screening



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A New and Unique Solution in Forensic Pathology

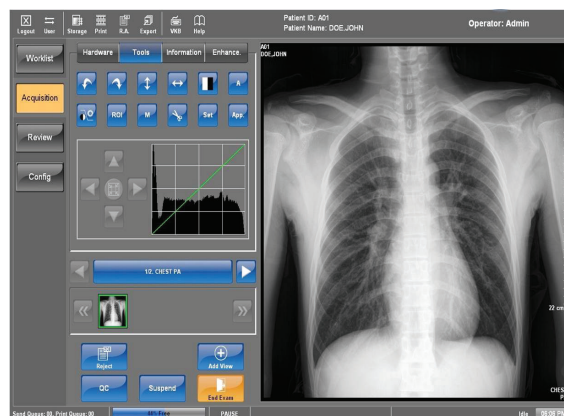
The FLATSCAN DF-80 is a revolutionary whole body X-ray system that enables forensic examiners and coroners to identify possible injuries suffered by a deceased individual via efficient, safe screening resulting in high definition images which can be used in official reporting.

This all-digital technology uses full dose control of a high-performance X-Ray generator. This allows the optimum exposure necessary to facilitate the separate inspection of each body part.

Images are captured via digital flat panel high resolution technology. The images are processed quickly through a high-performance workstation and are displayed on a LCD widescreen.

Features and Benefits:

- **Superior image quality** – amorphous selenium (a-Se) flat panel detectors with direct conversion (no scintillators)
- **Whole body imaging in less than 2 minutes** – using the “Panoramic” feature
- **Individual body parts imaging** – using the “Manual” feature
- **Safe for personnel** – completely shielded system; protects the operator and other lab professionals from x-ray radiation
- **Self-contained (cabinet) design** – could act as additional shield, for operator and surrounding personnel, from potential (Haz/Mat or CBRN) hazardous decedents and/or body remains
- **Image measurement tools** (lengths and / or angles)
- **Variable (generator) power** for best image of soft tissue and bones – Organ program mode (re-programmable)



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Totalpost Security Systems | 825 S. Primrose Ave., Suite A | Monrovia, CA 91016 | Tel: 626-263-5940



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General Specifications

Tunnel size :	800mm x 800mm (31.5" x 31.5")
Dimensions (L x W x H):	4850mm (190.9") x 1490mm (58.7") x 2002mm (78.8")
Net weight:	1480 kg (3262lb)
Roller table height:	800mm (31.5") adjustable
Roller table capacity:	250 kg (551lb)

Technical

Detector panel:	Amorphous selenium (a-Se) flat panel detectors
Energy conversion:	Direct conversion (no scintillators)
Pixel pitch:	168µm
Contrast sensitivity:	14 bits
Resolution:	2560x2560 (12.5M)
Active area:	43cm x 43cm (17" x 17")
X-Ray voltage:	40 to 125 KV
Tube current:	50 to 630mA
X-Ray tube:	High resolution with rotating anode

Video

Main display:	LCD color monitor widescreen (size 24")
Main display resolution:	1920 x 1200
Remote display:	LCDcolor monitor widescreen (size 42")

Standard Features

- Add views – during exam
- Advanced image post processing
- Auto image archiving (50,000 images)
- Comprehensive body parts list
- Crop / Mask image
- Data search
- DICOM 3.0 format
- Digital markers
- Electric rollers
- Emergency shutdown buttons
- Exposure value guidelines
- Focus selection
- Heavy duty roller casters
- Image accept / reject function
- Image annotation
- Image export / import
- Image manipulation
- Image measurement tools (length)
- Image measurement tools (angles)
- Image review
- Individual body parts imaging
- Manual date entry
- Multi-tier accessibility
- Network ready
- Organ program mode (re-programmable)
- PACS software
- Password protected
- Power (generator) selection (kV, mAs)
- Print image
- Real-time manipulation
- Real-time self diagnostics
- Suspend study function
- Visual x-ray emission indicator
- Weight scale
- Whole body imaging
- Work list

Electrical

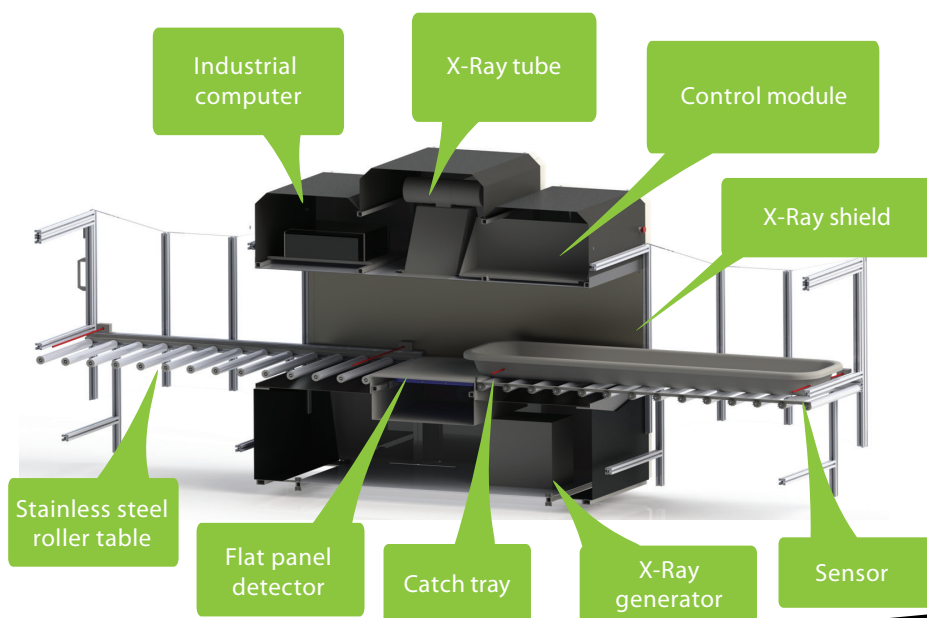
Power requirements:	208/380 VAC, 50/60 Hz. 45 Amp Max
Three phase power:	63kW

Optional Features

- Automatic control of generator x-ray dose
- Climate (variable) operating kit
- Extended Auto Image Archiving (100,000+ images)
- Micro-PACS (US Military approved)
- Tele-radiology capabilities

Health and Safety

- Compliant with FDA, Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
- Typical Radiation leakage is less than 0.1 mR/hr (Leakage less than 0.5 mR/hr permitted by the Federal Standard)



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