

FLATSCAN DF-80

Digital Forensic Screening



A New and Unique Solution in Forensic Pathology

The FLATSCAN DF-80 is a revolutionary 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 color widescreen.

Features and Benefits:

- Flat panel technology – provides high image quality, similar to a medical diagnostic system
- Completely shielded system – protects the operator and other lab professionals (radiation is less than 1 μ Sv/hr)
- Allows the operator to see the image instantly, and make any necessary modifications on the spot
- Ability to adjust generator best dose and high resolution – to detect most soft tissue injuries
 - Library of recommended dose for various body parts
 - Automatic control of x-ray dose – Option
- (On-screen) measurement of foreign objects and/or body parts
- Integrated weight scale
- Allows to take and “stitch” images together for a one complete whole body image in less than 60 seconds



Operating Characteristics

- The system allows images to be saved in separate files. They can also be easily exported and imported.
- Self-diagnosis function for easy maintenance.
- Password protected console.
- Emergency “push-button” for system shutdown.
- Visual X-Ray emission indicator.
The equipment complies with the standards established by CNEN (National Nuclear Energy Commission) as well as all applicable laws with respect to X-Ray emitting devices. Radiation is less than 1µSv/hr.
- The equipment allows for future upgrades.

Technical

Detector panel:	Flat-Panel Digital X-Ray Detector
Energy conversion:	Direct conversion
Pixel pitch:	168um
Contrast sensitivity:	14 bits
Resolution:	2560x2560 (12.5M)
Preview time:	4.5sec after X-Ray exposure
X-Ray voltage:	40 to 125 KV
Tube current:	50 to 630mA
X-Ray tube:	High resolution with rotating anode

General Specifications

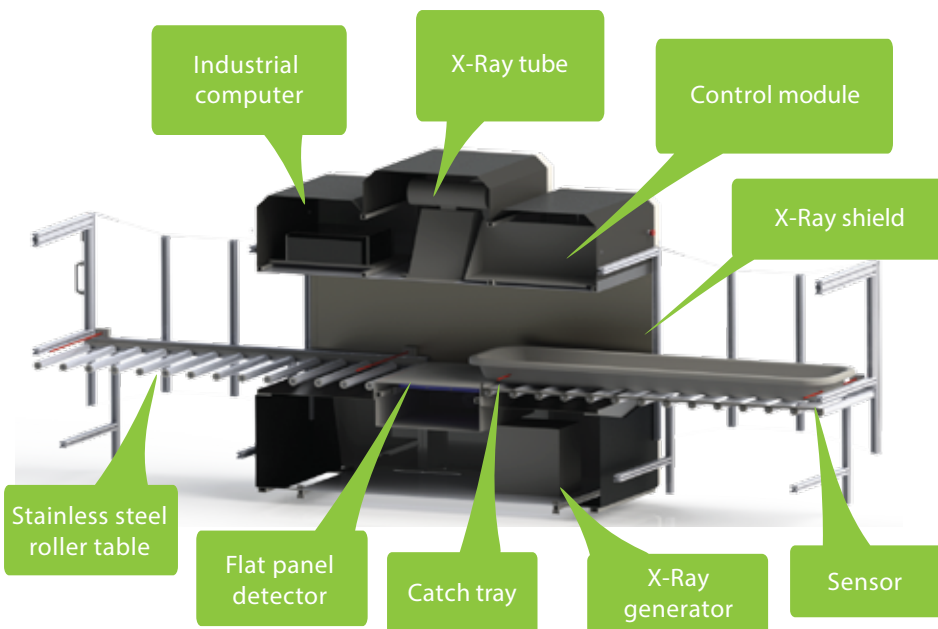
Tunnel size :	800mm x 800mm (31.5" x 31.5")
Dimensions (L x W x H):	4760mm (187.4") x 1490mm (58.7") x 1950mm (76.8")
Net weight:	1480 kg (3262lb)
Roller table height:	800mm (31.5") adjustable
Roller table capacity:	250 kg (551lb)

Electrical

Power requirements:	208Vac or 240Vac
The phase power:	85 kVA

Video

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



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