STATIONARY DIAGNOSTIC RADIOLOGY FORENSIC SYSTEM

FOBOS XR

THE IDEAL SOLUTION FOR MORGUES AND FORENSIC CENTERS

TRANSMISSION X-RAY TECHNOLOGY

KEY FEATURES

- Highest image resolution
- Fastest scanning time
- The scanner provides images with a pixel size of 100 µm, with a spatial resolution of up to 5 lp/mm
- 0 to 110 scanning angle
- Full-body AP and lateral images

FOBOS XR (Forensic Body Scanner) is a stationary diagnostic digital radiology forensic system. The system is designed to acquire whole-body digital X-ray images of bone structures and soft tissues. The system allows to capture of both AP and lateral scans (scans under any angles from 0 to 110° would be an additional option). FOBOS XR is a task-oriented system designed to be used in morgues and forensic centers.

The FOBOS XR provides detailed and high-resolution X-ray images of bodies for non-invasive forensic pathology.

One complete scan of a body takes less than 30 seconds, with AP and LP scans completed under one minute.

FOBOS XR

OPTIONS

- Automatic acquisition of full-body overview images
- The System's design allows getting full-body images without moving or contacting the body directly.
- Motorized drives Automatic moving parts, such as linear drive and C-arm, enable more effective image capture than conventional C-arm.
- Version with X-ray protection shield (optionally)
- The radiation protection cabin allows the System to be safely used in any location/room.
- Function "Smart Filters" allows for improved visualization of the body, thus creating conditions for more reliable detection of injuries and anomalies.
- The filters reduce noise from X-ray images, automatic X-ray images, and contrast adjustments of oblique views.
- X-ray images of high-quality FOBOS XR can create scan images at any angle from 0° to 110°, rotation step 1°. The limit resolution of the image is up to 5.0 lp/ mm.
- High penetration capability Due to the high innovation critical components of the System (X-ray generator and detector), it is possible to examine bodies up to 750 lbs. Penetration capability by Al – min.12", and by H20 – 32";
- Low maintenance costs Due to advanced technology, the maintenance cost is significantly reduced. Critical components such as digital
- X-ray detector and X-ray generator used in the System have a high level of reliability, which minimizes the System's downtime:
- Sensors without scintillators are not subject to the effect of degradation,
- X-ray source can operate in 24/7 mode for more than 8000 hours without any service.
- The adjustable table provides an additional advantage for loading bodies from carts.

EMBEDDED SOFTWARE

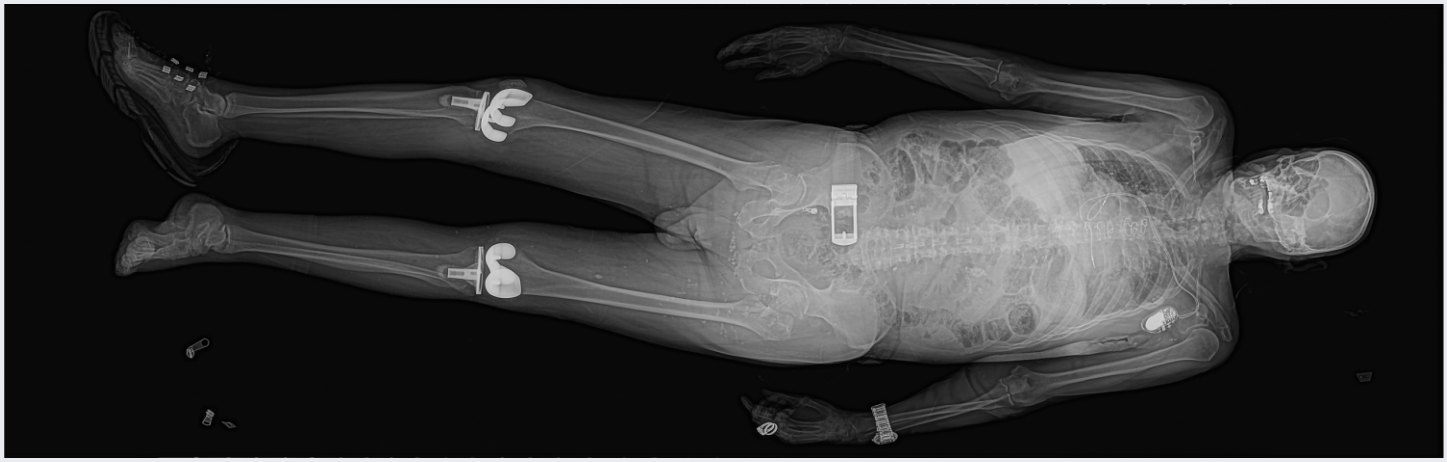
The scanner comes with PACS data management software package, which allows intuitive control of the system and provides advanced image editing.

ADJUSTABLE X-RAY CART

The adjustable x-ray cart is designed to operate with up to 750 lbs. The significant width of the x-ray cart helps operators deal with larger size bodies. The x-ray tabletop is made of perfectly translucent carbon-fiber material with no artifacts visible on the images. The cart is equipped with 120 mm height adjustment mechanism and convenient wheels for body transportation.

GENERAL SPECIFICATIONS

OVERALL DIMENSIONS (MAX)	
width	900 mm [35.4 in]
length	2320 mm [91.3 in]
height	800 - 920 mm [31.5 - 36.2 in]
EFFECTIVE RADIOGRAPHIC TABLE AREA DIMENSIONS	
width	2100 mm [82.68 in]
length	830 mm [32.67 in]
height	2140 mm [84.3 in]
TABLE POWER	24-volt rechargeable battery
TABLE CONTROL	Handheld remote control
BRAKE POSITION	Foot brakes on two wheels



0696-MA05092022

LINEV SYSTEMS
www.linevsystems.com
info@linevsystems.com

LL-C Certification
ISO 9001:2015