

# XiScan™

IMAGING SYSTEMS

We take care of your health



**FMC**  **NTROL™**  
IMAGING SYSTEMS

# XiScan™

## 4400Series



XiScan is a portable, modular fluoroscopic imaging system. It's an easy to use system that fits the needs of today's practice. The unit has been designed for the radiographic diagnosis of bone injuries in extremities within orthopedic rooms, as well as for usage in offices, surgery and emergency rooms.

The XiScan Imaging System works at a very low intensity providing a high degree of protection to the end user and patient.

The system automatically adjusts itself in order to acquire the best image quality using the lowest radiation.

Due to its lower power requirements, no special shielded is needed in order to use the equipment.

- Low dose rate.
- Surgery and diagnosis in extremities.
- Reduced lead times.
- Real time images.
- Easy to use.





Recommended uses in:

- Hospitals (diagnosis, surgery and emergency practice)
- Orthopedic clinics (sp)
- Podiatry private rooms.
- Ambulatory clinics
- Rehabilitation centers
- Sports medicine centers centers
- Occupational accident assurance centers
- Corporate medical centers



# Versatility

## 4400 4" 350



The XiScan 4400 4" is perfectly designed for hand, foot and minimally invasive surgery techniques. With a light, flexible c-arm and superior image quality the 100mm field of view makes this unit very versatile and perfect for the surgeon's needs.

## 4400 6" 350



The XiScan 4400 6" 350 is the perfect system for users that require a larger imaging field of view. The system has the ability to image at 100mm and 150mm giving the surgeons an option for a larger field of view.

## 4400 6" 450



The XiScan 4400 6" 450 has been designed using feedback from upper limb surgeons. The C-Arm is wider in design making it easier to position the C-Arm around larger body parts. This also allows further surgery options as the surgeons can now image the shoulders and knees of patients. The XiScan 4400 6" 450 is also delivered with a larger field of view so the surgeons have the option of 100m and 150mm imaging.

Makes multiple radiographic projections: including standard, special and in load projections.

Dynamic and real time images may be acquired, allowing the end user to obtain not only "live" images but also video recordings.

# Functionality

## AUTOMATIC MODE

The system is automatically adjusted by software in order to obtain the highest image quality with the minimum exposure.

## MANUAL MODE

The user is able to adjust the current and voltage in order to obtain the desired image sharpness.



# Mobility and flexibility

The articulated system allows perfect positioning of the C-Arm and monitor allowing for ergonomic imaging and diagnosis.

Its reduced size, the lightest in the market, makes its use and movement easier thanks to its articulated system (monitor and c-arm remain folded over the equipment itself).



This unit may be managed using the keyboard, screen or the C-arm. XiScan offers many image storage options.





## TECNICAL SPECIFICATIONS

4400 6/4"  
450mm

4400 6/4"  
350mm

4400 4"  
350mm

X-Ray Source	- Grounded Anode X-ray Tube - Maximum Output - Nominal Focal Spot Size: - Tube kVp range - Tube Current $\mu$ A range	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">150 <math>\mu</math>A @70 kV 0.033mm</li> <li style="text-align: center;">40 to 70 kV (5kV step) 20 to 150 <math>\mu</math>A (5 <math>\mu</math>A step)</li> </ul>		
Image intensifier	- 4/6" Dual Mode ( 10/15 cm) - 4" (10 cm)	✓	✓	✓
Monitor	- 19" Flat Screen HD. Resolution 1280 x 1024 - 23" Flat Wide Screen HD Resolution 1920 x 1080 - Touch Screen Sensitivity	✓ ✓	✓ OP OP	✓ OP OP
Image intensifier	- Built-in UPS - 30min autonomy	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">✓</li> </ul>		
X-Ray power Control	- MODES - Automatic AERC mode (Automatic Exposure Rate Control) - Manual mode	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">✓</li> </ul>		
	- CONTROL - Both Lateral Sides Control Pannel - Simple Footswitch Pedal - Multifunction Footswitch Pedal (Configurable) - Wireless Multifunction Footswitch Pedal (Configurable)	✓ ✓	OP ✓ OP	OP ✓ OP
		OP		
Host Operating System	- Microsoft Windows XP	✓		
C-Arm	- Free Space - Depth - Orbital rotation - Horizontal travel - Pivot Rotation - Vertical Travel: Configurable	45 cm 47 cm 135 ° 40 ° 380 ° 43 cm	35 cm 40 cm 135 ° 40 ° 380 ° 43 cm	35 cm 33 cm 135 ° 40 ° 380 ° 43 cm
Image Matrix Size	- Resolution	1296 x 966		
Image Storage	- Permanent Hard Drive - Number of images - Time video recording (max duration for one video is 15s. configurable up to 30 s) - Buffer: max images per session. configurable - Removable Data Storage: USB Port, CD/DVD (Optional) - Default storage: JPG, DICOM, Avi (for video)	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">&gt; 10,000 images</li> <li style="text-align: center;">60 video minutes 200 images</li> <li style="text-align: center;">✓</li> <li style="text-align: center;">✓</li> </ul>		
Image Acquisition	- Modes: Snapshot, Live Image, Video recording (Optional) - Rate of 30 fps	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">✓</li> </ul>		
Imaging Features	- Automated image post-processing and enhancements - Brightness, Contrast and Gamma control: manual or automated modes - Zooming, Image Mirror - Two images per screen	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">✓</li> <li style="text-align: center;">✓</li> </ul>		
		25 cm Each	OP	OP
Printer Options	- Small Format Thermal Printer - B/W Hybrid Graphic Printer	<ul style="list-style-type: none"> <li style="text-align: center;">✓</li> <li style="text-align: center;">OP</li> </ul>		
DICOM Options	- Modality Worklist - Storage	<ul style="list-style-type: none"> <li style="text-align: center;">OP</li> <li style="text-align: center;">OP</li> </ul>		
Rad. report	- DAP REPORT	✓		
Dimensions	- Height - Width - Length - Weight	180 cm 71 cm 87 cm 185 kg	180 cm 71 cm 87 cm 180 kg	180 cm 71 cm 87 cm 175 kg
Temp. Range	- Operating	(+10 ° to +40 ° C)		
	- Power Requirements	230 VAC 50Hz Max. 230VA		



# XiScan™

## 4400Series

European leader company  
within mini c-arm sector.

FM Control's technical support offers maintenance  
and repair of our equipment within the  
shortest time possible and guarantees the  
best quality of service for our customers.



Manufactured By:  
Fm Control, S.L.  
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