



MEDICATECH USA®

FULL SPINE AND LONG BONE X-RAY IMAGING SOLUTION

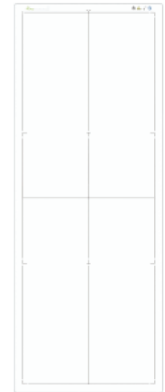




MEDICATECH USA®

Full-Spine and Long Bone X-ray Imaging Solution ceiling X-Ray Systems

Model	Venu 1748V	Venu 1748V-WF
Detector technology	a-Si	a-Si
Scintillator	CsI	CsI
Active area	425 × 1208 (mm)	425 × 1208 (mm)
Pixel size	139 µm	139 µm
Spatial resolution	3.4 lp/mm	3.4 lp/mm
Data transmission	GigE	GigE / Wifi
Trigger mode	Software / AED (Optional)	Software / AED (Optional)
Dimension	1271 × 487 × 21 (mm)	1271 × 487 × 21 (mm)
Pre-image time	3 s	3 s
Full image time	8 s	8 s
Battery autonomy	/	3 h @90s cycle
Weight	17 kg	18 kg (with battery)
Power dissipation	27 W	27 W
iGrid	Optional	Optional



1748 Detector

Model	DR-1748A Frame
Dimension	1102 × 680 × 1511 (mm)
Cross arm adjustable range	350 – 1350 mm
Cross arm adjustable distance	200 mm
Armrests	100 mm adjustment upwards / downwards
Rotation	Rotates 90° upwards / to the right



Cart

Model	DR-1748D Frame
Dimension	595 × 500 × 1906 (mm)
Detector vertical motion range	1300 – 1770 mm
Detector horizontal motion range	575 – 1375 mm
Detector tray counterclockwise	90° Rotation
Unfold the casters	30°



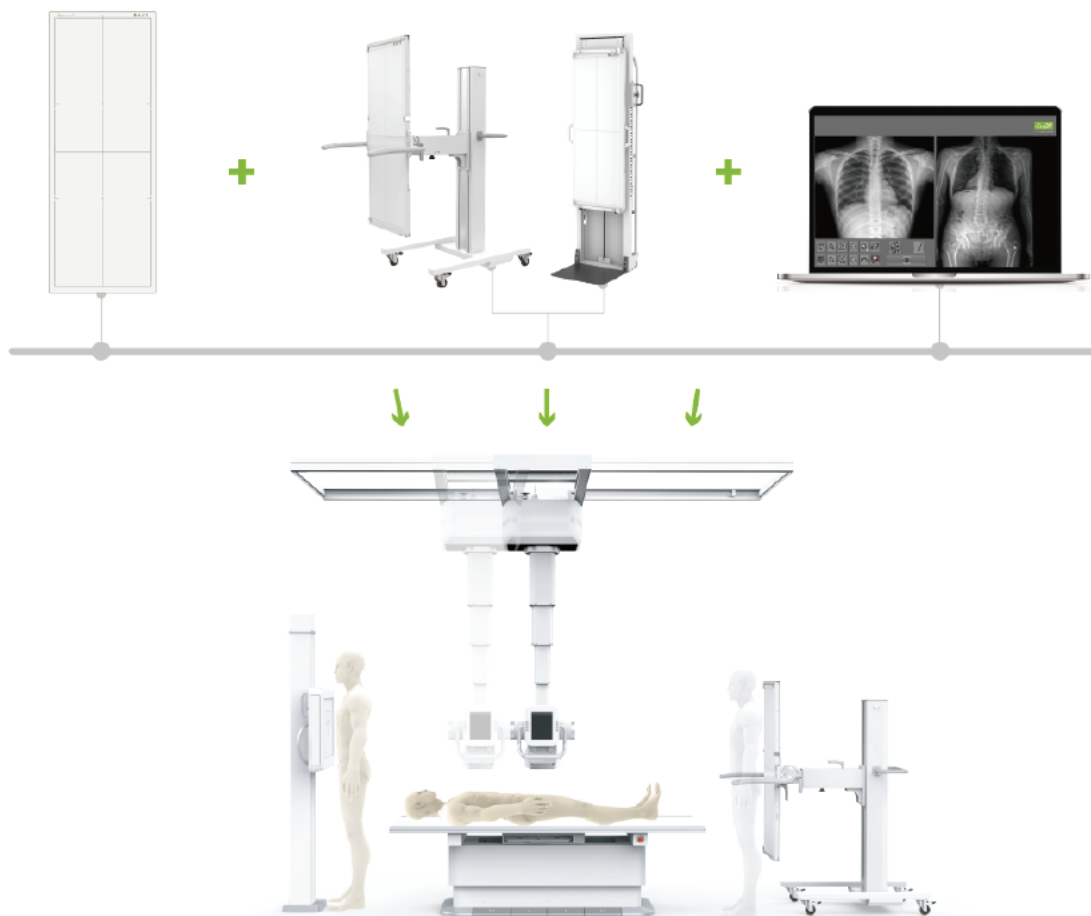
Stand



MEDICATECH USA®

What is the clinical Application of Venu 1748V Solution?

It features a Venu 1748V detector, software workstation, optional cart or stand, and a virtual grid.



The spine serves as the cornerstone of the human body's structural integrity, offering crucial support and safeguarding the spinal cord and associated nerves. Conventional X-ray imaging remains the modality of choice for evaluating spinal pathologies, as it provides a straightforward, cost-efficient, and expedient approach. When conducted in an upright position, it enables the capture of a comprehensive image.

However, traditional X-ray systems are marred by a significant limitation: they depend on software stitching to generate a complete image of the spine, a process that is not only laborious but also prone to inaccuracies. This flaw not only impedes accurate diagnosis but also necessitates multiple exposures, thereby escalating the patient's overall radiation dose.

FEATURES AND BENEFITS OF THE FULL-SPINE AND LONG BONE X-RAY IMAGING SOLUTION



Fast Workflow

Conserves the technician's time and ensures patient safety



Wireless and Wired Configurations

Suitable for more system types



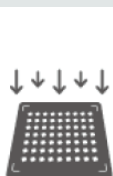
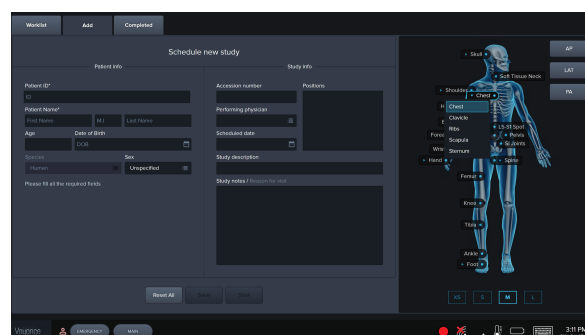
Short Exposure Time

Low Dose

Completes the full-spine or whole lower extremity image in ONE single exposure

POWERFUL IMAGE ACQUISITION SOFTWARE

VOYANCE SOFTWARE



Reliable radiographic positioning for exceptional results



Multi-language



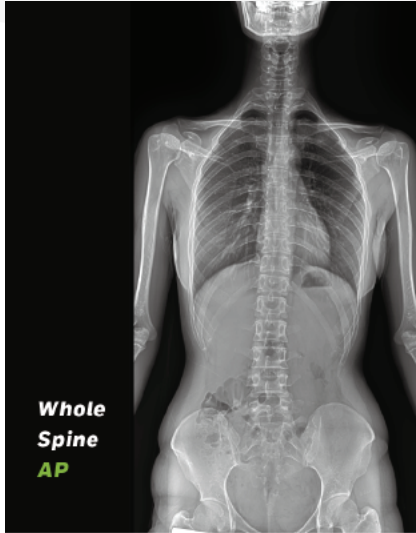
Automatic image optimization for perfect images



Optional iGrid function removing "light scatter" effect



MEDICATECH USA®



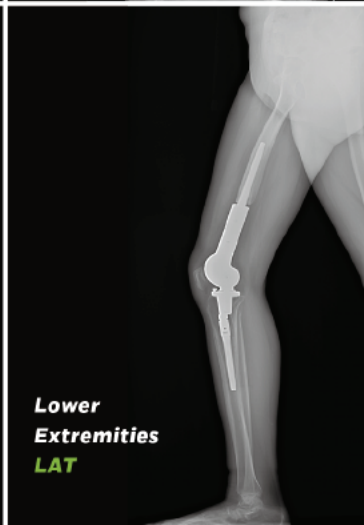
**Whole
Spine
AP**



**Whole
Spine
LAT**



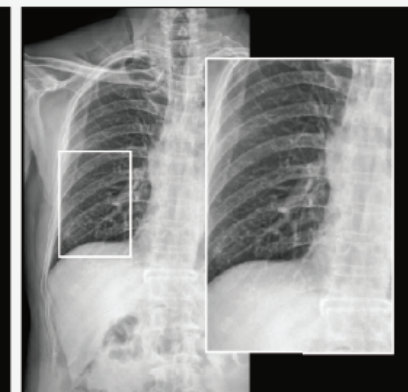
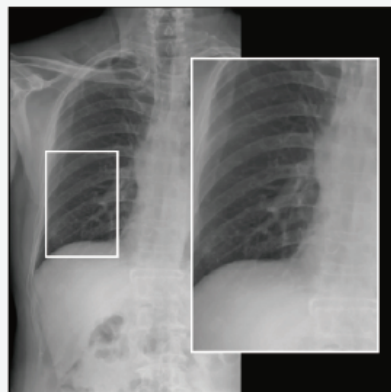
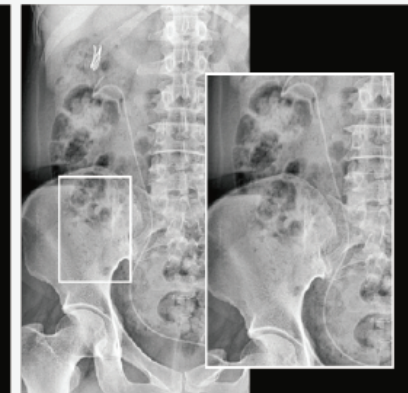
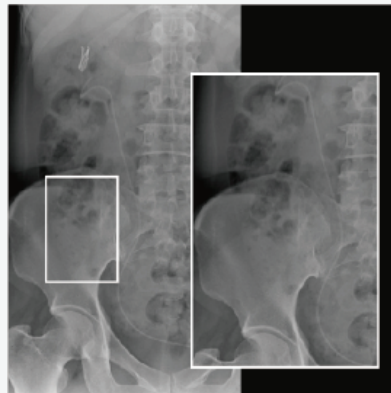
**Lower
Extremities
AP**



**Lower
Extremities
LAT**

BEFORE

AFTER



PROVIDING QUALITY PRODUCTS AND SUPPORT
SINCE 2005



MEDICATECH USA®



T. +1 800-817-5030

T. +1 949-679-2881

F. +1 949-679-2882



www.medicattechusa.com



info@medicatechusa.com