

Confidently serving since 1988.

www.usx-ray.com

US X-RAY
RÖNTGEN A.Ş.

Radiography



Floor-Mounted



Ceiling Suspension



Mobile



Portable



U-Arm



C-Arm Surgical

Fluoroscopy



Ceiling Suspension



Mobile



Capacitor-Powered



Ozon Devices



Fluoroscopy Table

We have been in the business of producing, selling, and providing after-sales technical services for X-ray systems since 1988. With over 30 years of experience and a track record of installing over 3000 X-ray systems, we pride ourselves on offering swift solutions to our business partners and customers. Our expert technical staff are dedicated to serving the health sector with professionalism and care.

While offering innovative solutions to become a reference point based on customer satisfaction and trust, with an open, fair and transparent management approach within the corporate culture, we aim to fully meet customer expectations within a prudent and ethical framework, while maintaining the best possible price-performance expectation.

With the same point of view, we aim to contribute to the development of the industry and technological structure in Turkey, and we increase our export share by developing R&D studies of products that will meet the market needs and moving towards becoming an active production base.

Thanks to our "After Sales Customer Service" team and "Protective and Preventive Care-Service" Organization, which can be reached 24 hours a day to our references covering the whole country, we eliminate patient and user grievances.



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Ceiling-mounted Systems

POLYRAD PREMIUM CSX AP

- ✘ Effortless with Fully Automatic Positioning, Zero Effort Technology
- ✘ Softest Motion Experience with Advanced Design

Zero effort technology By gently holding the capacitive grip, the operator can easily move the ceiling suspension to any desired position.

Servo assisted motorized movements: Precise and accurate positioning enabling advanced applications such as tomosynthesis.

Powerful X-RAY Generators

Ceiling stands contain powerful x-ray generators with different output power ranges:

- 80 kW Max power.
- AEC (Automatic Exposure Control)

Image Quality is optimized by reducing patient dose.

Autopositioned Movements

The ceiling suspension moves automatically to the center of the detector located on the table or wall stand according to the SID and the angle of the tube. All axes are servo assisted and motorized for movement up to 5 meters and 360°.

Flat Panel Detectors



With integrated wired and wireless flat panel detector options.

Auto-Tracking with Wall Stand & Table

When the ceiling suspension is adjusted either manually or via remote control, or when it is angled, the detector cabinet will track its movement by keeping SID and the center of the detector.

Automatic Scoliosis with Wall Stand or Table

Horizontal and vertical stitching (angular and linear) Scoliosis software and hardware for automatic acquisition and merging of multiple images required in full spine or lower extremity shots, thanks to the full motorization of all movements of the system



Capacitive Grip: It includes internal sensors that smoothly activate movement with the user's natural touch.

High Definition and user friendly: Easy-to-read display with wide viewing angles and large characters, icons.

Touchscreen Medical Monitor & Workstation: It provides maximum reliability and powerful performance with a slimmer chassis.



Full Image Acquisition Software Integration: This software is designed to fully integrate with imaging processes, offering a comprehensive suite of tools for digital image acquisition, processing and export, anatomical program access, backlog management, dose control, recording, and monitoring. Additionally, it provides reports on studies performed.



Elevating Patient Table: Adjustable height for convenient and comfortable patient positioning. Maximum load capacity up to 400 Kg.

Remote Control: For device main motion controls, auto-positioning, auto-tracking and collimation controls.



Ceiling-mounted Systems

DR-RAD X3-C

- X** Effortless with Fully Automatic Positioning,
- X** Softest Motion Experience with Advanced Design

* The design is both agile and stable to minimize vibration and achieve optimal positioning accuracy.

* Movements in all axes can be moved both motorized and manually.



Powerful X-RAY Generators

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Auto-Centering with Table



*Control console with LCD display shows focal distance and tube angle. Touchscreen version displays many parameters that can be adjusted near the patient if needed

*Elevating Patient Table: Adjustable height for convenient and comfortable patient positioning. Maximum load capacity up to 300 Kg

*Motions in all axes can be moved both motorized and manually.

*REMOTE CONTROLLER for main motion controls of the device, auto positioning, auto tracking, collimation controls

* Consists of three basic units:

- Ceiling Suspended Tube Stand
- Wall Stand(Fixed or Tilting)
- Elevating Patient Table
- Mobile Patient Table (optional)

**Single Detector version is provided with Mobile Table instead of Fixed Table.*



Auto-Centering with Wall Stand

Floor-mounted Systems

DR-RAD X4-C

- ✘ *Maximum Performance even in the intensive working conditions with Dual Detector Option*
- ✘ *Auto-tracking on Table and Wall Stand*
- ✘ *Automatic Positioning and Fast Patient Positioning*
- ✘ *Full Digital Integration with Touch Screen Control Panel*
- ✘ *User Friendly*



Powerful X-RAY Generators

Floor-mounted systems contain powerful x-ray generators with different output power ranges:

- 80 kW Max power.
- AEC (Automatic Exposure Control)

Image Quality is optimized by reducing patient dose.

Autopositioned Movements

The tube carrier automatically moves to the center of the detector located on the table or wall stand according to the SID and the angle of the tube. Vertical, transverse and longitudinal axes are servo assisted and motorized.

Flat Panel Detectors



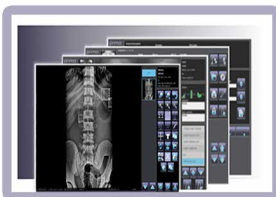
With integrated wired and wireless flat panel detector options.

Auto-Tracking with Wall Stand & Table

When the tube stand moved manually up or down or angled, table or wallstand detector will follow its movement by keeping SID and the center of the detector.



#Automatic positioning and generator controls with the Touch Screen Control Panel.



#Possibility of obtaining high quality images with professional image acquisition software



#State of the art workstation with medical monitor







#Tube carrier stand with electromagnetic brake counterweight balancing system.
*Motorized Vertical and longitudinal movements
*Manual latitudinal, angle, rotation and column rotation movement

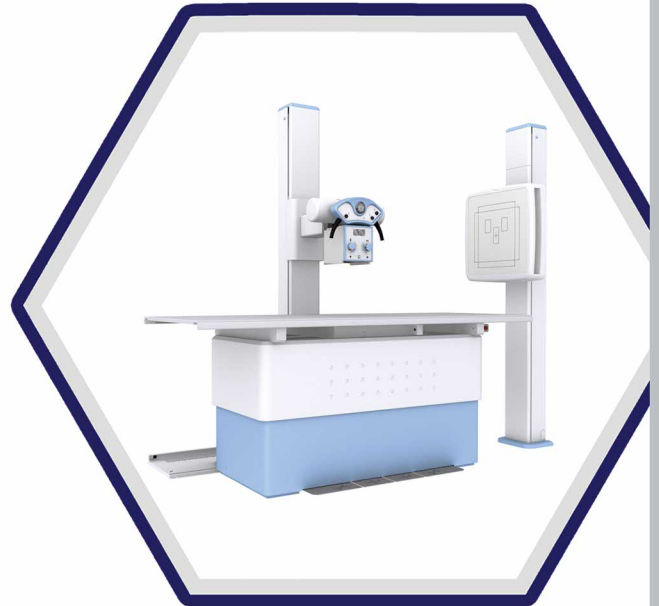


Elevating Table (optional)
The four-way floating mobile and elevating patient table has an ergonomic design that provides great comfort to the patient and the operator with its smooth movements in all four directions, as well as its excellent durability.

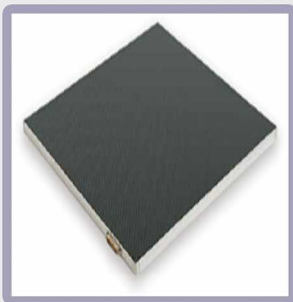
Floor-mounted Systems

DR-RAD X4-D

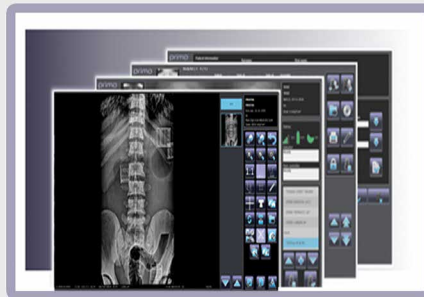
-  *Maximum Performance with Economic Price*
-  *Compact Design / Minimum Space*
-  *Multifunctional / Ergonomic*
-  *With fixed table option*



Digital Unit (Optional)



#High Image Quality with Wired or Wireless Flat Panel Detector Unit



#Professional Image Acquisition Software



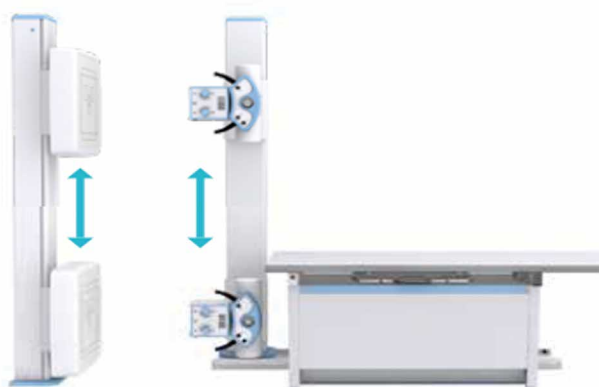
#Latest Technology Workstation with Touchscreen Medical Monitor



#Ergonomically designed to be comfortable and easy to use, all movements are controlled from the handle



#Smooth and precise movements in vertical and horizontal axis with counterbalanced Tube Stand.



Automatic tracking feature (Optional) The tube in the tube stand automatically follows the vertical movement of the Wall Stand.



#High-stability X-Ray with a high frequency X-Ray generator with a maximum power of 80 kW

U - Arm Systems

DR-RAD X5-C

X It is possible to engage in both table and standing exposure with just one detector system.

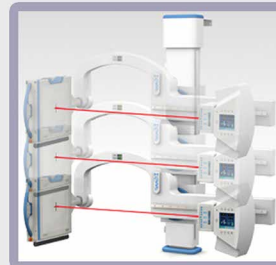
X Compact Design, Minimum Space

X Full Motorized Automatic Positioning

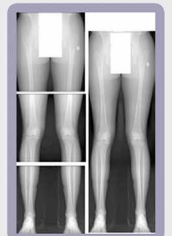
X Effortless Radiography with Auto-Position System



Automatic Scoliosis (Optional)



#The system is fully motorized in all movements, allowing for dedicated exams of scoliosis and leg length. This enables the automatic acquisition of multiple images necessary for a complete examination of the spine or lower extremities.

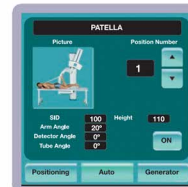


Remote Controller

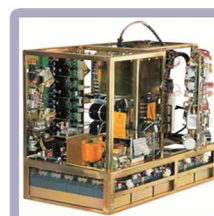
#Possibility to position the device from anywhere in the room



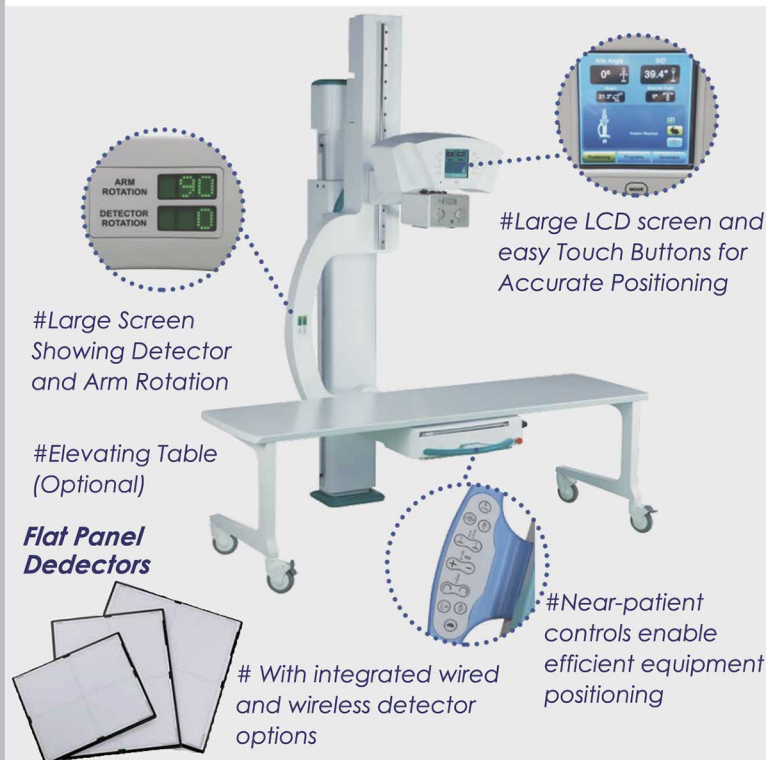
Automatic Position



#Automatic positioning feature by pressing only one button to the position required by the selected organ program



#High-stability X-Ray with a high-frequency X-Ray generator of up to 80 kW power



#Large Screen Showing Detector and Arm Rotation



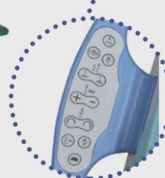
#Large LCD screen and easy Touch Buttons for Accurate Positioning

#Elevating Table (Optional)

Flat Panel Detectors



With integrated wired and wireless detector options



#Near-patient controls enable efficient equipment positioning



#126 cm Motorized Vertical Movement ability



#+120° / -30° Motorized Rotation Movement



#SID 100-180 cm Adjustable as motorized



#+45° / -45° Motorized Detector Rotation Movement

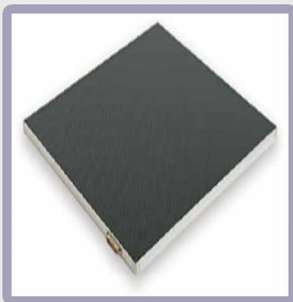
U-Arm Systems

DR-RAD X5-A

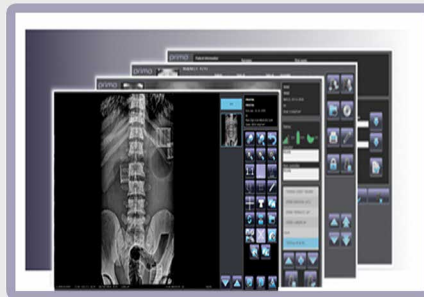
-  It is possible to engage in both table and standing exposure with just one detector system.
-  Compact Design, Minimum Space
-  Lower costs, Semi-Motorized
-  Eco-Design



Digital Unit (Optional)



#High Image Quality with Wired or Wireless Flat Panel Detector Unit



#Professional Image Acquisition Software



#Latest Technology Workstation with Touchscreen Medical Monitor



#Shooting on the table, Elevating table (Optional)



#114 cm Motorized Vertical Movement ability



#+120° / -30° Rotation Movement



#High-stability X-Ray with a high-frequency X-Ray generator of up to 80 kW power






#SID 100-180 cm Adjustable as motorized

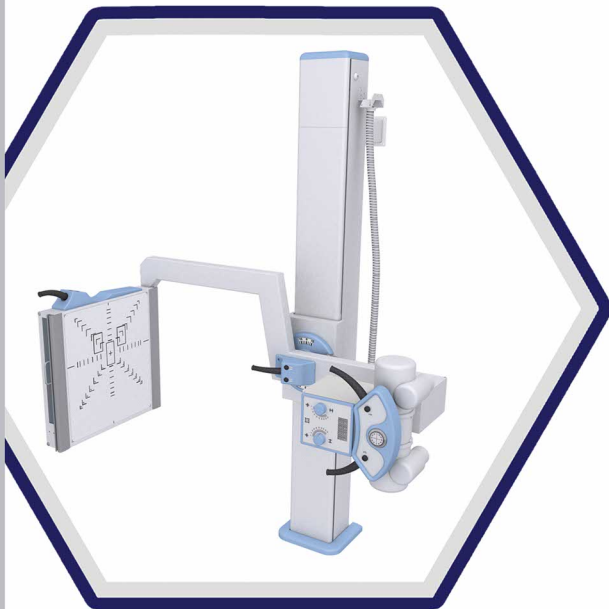


#+45° / -45° Detector Rotation Movement

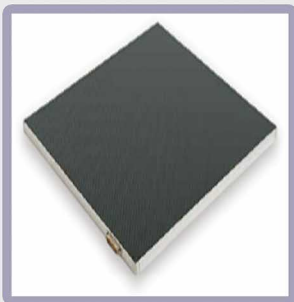
U-Arm Systems

DR-RAD X5-D

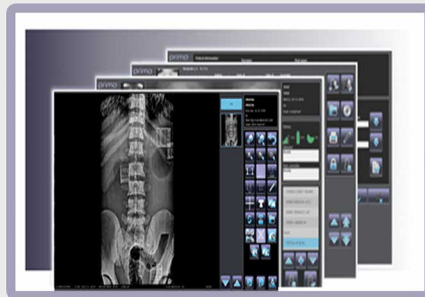
-  It is possible to engage in both table and standing exposure with just one detector system.
-  Compact Design, Minimum Space
-  Lower costs
-  Eco-Design



Digital Unit (Optional)



#High Image Quality with
Wired or Wireless
Flat Panel Detector Unit



#Professional Image
Acquisition Software



#Latest Technology Workstation
with Touchscreen Medical Monitor



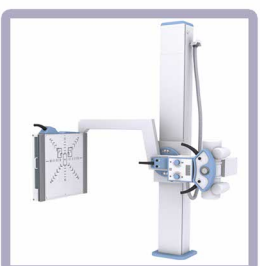
#Shooting on the table,
Elevating table (Optional)



#145 cm
Vertical
Movement
ability



#+120 °/ -30 °
Motorized
Rotation
Movement



#SID 140 cm
Fixed SID



#Possibility of shooting
with mobile patient
table
#Elevating Table
(Optional)

#High-stability X-Ray with a
high-frequency X-Ray
generator of up to 80 kW
power

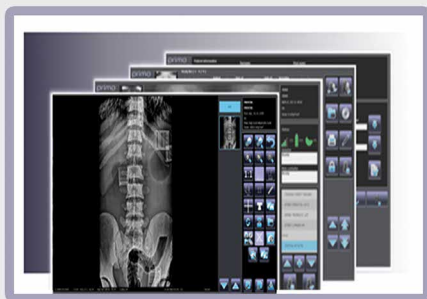
Capacitor Powered Mobiles



USX-RAD X6-A

- X** *Constant X-Ray and High Performance*
- X** *Ergonomic and Convenient*
- X** *Not Affected by voltage fluctuation with Capacitor Support*

Digital Unit (Optional)



Get excellent quality images with professional image acquisition software in digital option. DICOM functions such as receiving worklist, sending images to

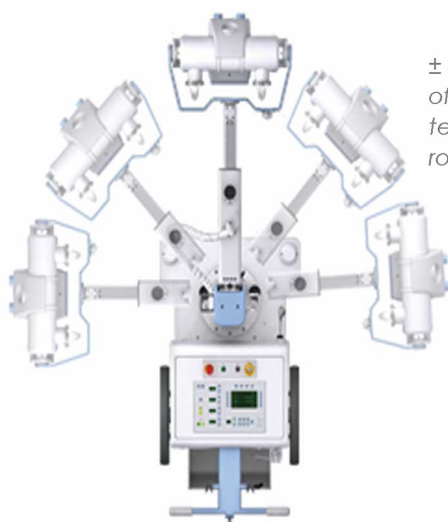
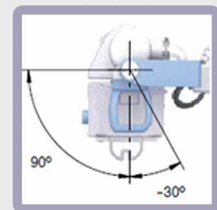
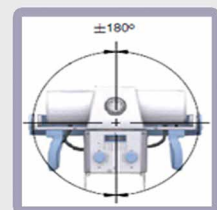


#Wireless Flat Panel Detector in Digital Option



#Laptop control console in Digital Option

Ergonomics and Usability



± 317° Easy access to all types of patients thanks to the telescopic column that can rotate



High power up to 32kW with capacitor support, full generator control with APR control console, unique driving experience with front brake handle, detector/cassette carrying cabinet, telescopic arm and tube collimator unit handles for easy movement and high accessibility.

Battery Powered Mobiles

PIONEER

-  Compact Design, Telescopic Column and Easy Movements
-  Battery Powered, Powerful Generator (Up to 50 kW)
-  Longest Arm Movement in the Industry
-  Peak Battery Life >8 hours
-  Fully Motorized and Proximity Sensors



The Most Compact and Powerful Mobile Device

This device contains the most powerful high frequency generator on the market with a rated power range of 20 kW to 50 kW. The proven reliability of these generators guarantees the highest accuracy and continuous performance all day long.

High Configurability

The device provides a 19" Touchscreen and multi-touch option and it allows patient instant image preview to be sent PACs. The Detector Battery can be charged directly on the device.

Wireless Flat Panel Detectors

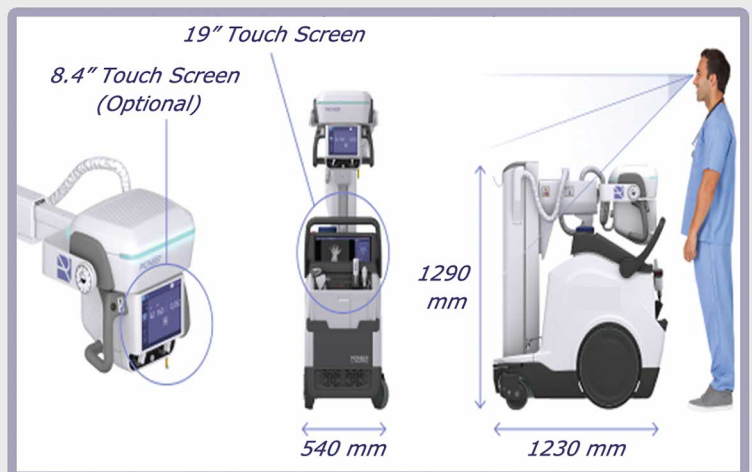


With wireless Flat Panel Detector Options.

Advanced Ergonomics with Advanced Design

This device is designed in a perfectly compact size that increases maneuverability. It is easy to drive, easy to turn and easy to open. In this way, the mobility and coverage area of the device is maximum. Thanks to its design, it provides maximum visibility.

Telescopic Column for Better Visibility



Plenty of storage space for measurement detectors and batteries for maximum ease of use and usability

*2 detectors + 2 batteries at the front of the unit and 1 detector at the back of the unit.
*Optional blocking: To prevent unauthorized use and ensure detector security



#X-Ray Tube Horizontal Axis Rotation $\pm 120^\circ$.
Explicit Click Points; $-90^\circ, 0^\circ, +90^\circ$



#Head rotation around the arm axis $\pm 180^\circ$.
Explicit Click Points; $-90^\circ, 0^\circ, +90^\circ$



Telescopic Arm

#Max. 122 cm
#Min. 70.5 cm (62.5 cm Optional)

Telescopic Column

#Max. SID 202 cm
Min. Focus-Floor distance <53 cm
#Rotation $\pm 317^\circ$



#Electromagnetic brakes for multi-functional movements (optional)

Battery Powered Mobiles

DR-RAD X6-B

-  *Compact Design, Telescopic Column and Easy Movements*
-  *Battery Powered, Powerful Generator (Up to 50 kW)*
-  *Independent Exposure and Engine Batteries*
-  *Fully Motorized*



The Most Compact and Powerful Mobile Device

This device contains the most powerful high frequency generator on the market with a rated power range of 20 kW to 50 kW. The proven reliability of these generators guarantees the highest accuracy and continuous performance all day long.

High Configurability

DR-Rad X6-B/D series devices are equipped with professional Canon or Primo S integrated software, wireless detectors and X-ray generator.

The device is provided with a new 17" Touchscreen and multi-touch option. Allows patient instant image preview to be sent to PACs



Wireless Flat Panel Detectors

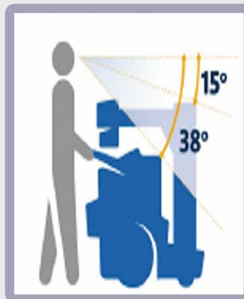
With wireless Flat Panel Detector Options.

Advanced Ergonomics with Advanced Design

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Telescopic Column for Better Visibility

New generation USX-RAY with telescopic column mobile devices solve any obstacles that users may encounter while using or parking the device. The new unit provides maximum visibility thanks to the telescopic column and ergonomic design. Users can reach all parts of the hospital comfortably and safely with this device.



Detector Storage Box.



Telescopic Column

- * X-Ray Tube Vertical Movement: 149cm.
- * Maximum Distance focus/Floor: 202cm
- * Minimum Distance focus/floor: 53cm.
- * Total Column Height: 215cm .



Telescopic Arm

- #Movement distance 54 cm

Column Rotation

- #Rotation $\pm 317^\circ$



- #Collimator Rotation $\pm 90^\circ$ dir. Explicit click points $-90^\circ, 0^\circ, +90^\circ$
- #Manuel Rotation



- #X-Ray Tube Horizontal Axis Rotation: 120° .
- #Click Points: $-30^\circ, 0^\circ, 90^\circ$.
- #Rotation Indicators (optional).



- #X-Ray Tube transversal axis Rotation: $\pm 180^\circ$.
- #Click Points: at each 90°
- #Rotation Indicators.

DR-RAD X6-E

- ✗ Portable and Mobile structure with its ergonomic design
- ✗ Excellent Movement Ability
- ✗ Digital Detector Transport Cabinet
- ✗ Fully Integrated Generator with Control Console
- ✗ Image Processing Functions
- ✗ Anatomical Program (APR)
- ✗ 4-8 kW Power Range(@0,1s / 100mA@40-80kV)
- ✗ Ability to Define Generator Controls, Automatic Exposure Parameters with 17" Monitor



Mobile System Features

#Radiography parameters can be monitored from the panel on the tube/collimator block and from the integrated control console and workstation.

#The system moves easily in intensive care, between services and in elevators..

#Exposure control can be done with a wired hand button and optionally with a wireless remote control.

Total Weight

76.8 Kg including detector and accessories

Maximum System Dimensions

222,8 x 66,9 x 166,4 cm

Minimum System Dimensions

140,8 x 66,9 x 71,9 cm

Maximum Focus Distance from the Floor

200 cm

Minimum Focus Distance from the Floor

44,5 cm

Tube Rotation

± 180°

Collimator Rotation

± 90°



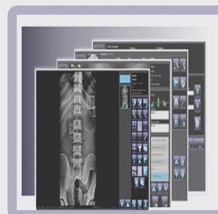
Dose Management:
*Pediatric Protocols
*Option to correct Scattered Radiation



It can be carried even inside the vehicle thanks to the foldable mobile system.



Rotatable Collimator:
± 90° rotatable
led light collimator



Excellent image quality with professional image acquisition software



Excellent Movement Ability



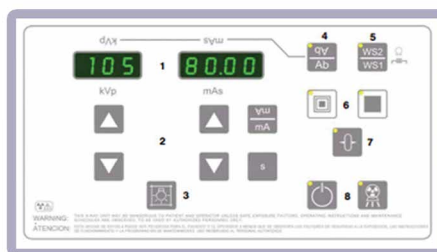
Optional Sahara Wheels



Assist Pedal When Overcoming Obstacles



Foot Brake



Generator Console

- | | |
|----------------------------|---------------------|
| 1. Radiographic Indicators | 5. Work Station |
| 2. RAD parameters | 6. Focal Spot |
| 3. Collimator light | 7. Reset |
| 4. Control Panel Rotating | 8. Exposure Control |

The dose value measured with the DAP meter (Optional) is added to the patient DICOM file, can be seen on the monitor and can be printed on the film.



#Detector cabinet to protect the detector from impact



Foldable

Portable Units

DR-RAD X6-C

- ✘ Portable and Mobile structure with its ergonomic design
- ✘ Excellent Movement Ability
- ✘ Digital Detector Transport Cabinet
- ✘ Fully Integrated Generator with Control Console
- ✘ Image Processing Functions
- ✘ Anatomical Program (APR)
- ✘ 4-8 kW Power Range(@0,1s / 100mA@40-80kV)
- ✘ Notebook Control Console



Mobile System Features

#Radiography parameters can be monitored from the panel on the tube/collimator block and from the integrated control console and workstation.

#The system moves easily in intensive care, between services and in elevators..

#Exposure control can be done with a wired hand button and optionally with a wireless remote control..

Total Weight

63 Kg including detector and accessories

Maximum System Dimensions

222,8 x 67 x 166 cm

Minimum System Dimensions

141 x 67 x 71,5 cm

Maximum Focus Distance from the Floor

200 cm

Minimum Focus Distance from the Floor

44,5 cm

Tube Rotation

± 180°

Collimator Rotation

± 90°



Dose Management:
*Pediatric Protocols
*Option to Correct Scattered Radiation



It can be carried even inside the vehicle thanks to the foldable mobile system.



Notebook Stand



Rotatable Collimator:
± 90° rotatable
led light collimator



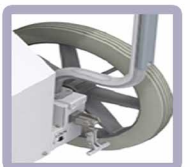
Excellent image quality with professional image acquisition software



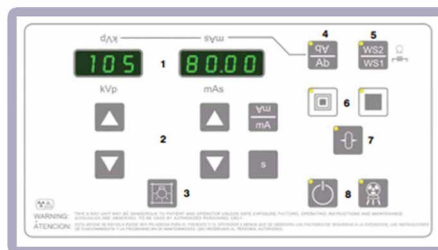
Optional Sahara Wheels



Assist Pedal When Overcoming Obstacles



Foot Brake



Generator Console

- | | |
|----------------------------|---------------------|
| 1. Radiographic Indicators | 5. Work Station |
| 2. RAD parameters | 6. Focal Spot |
| 3. Collimator light | 7. Reset |
| 4. Control Panel Rotating | 8. Exposure Control |

The dose value measured with the DAP meter (Optional) is added to the patient DICOM file, can be seen on the monitor and can be printed on the film.



#Detector cabinet to protect the detector from impact



Ergonomic Use

USX-RAD X6-C

-  *Portable and Mobile*
-  *Compact and Powerful Design*
-  *Excellent Movement Ability*
-  *Ergonomic and Economical*



Mobile System Features

Minimum weight

Without accessories 56,5Kg

Maximum System Dimensions

222,8 x 66,9 x 166,4 cm

Minimum System Dimensions

140,8 x 66,9 x 71,9 cm

Maximum Focus Distance from the Floor

200 cm

Minimum Focus Distance from the Floor

44,5 cm

Tube Rotation

± 180°

Collimator Rotation

± 90°

#X-Ray Unit Head:

4-8 kW, 125kVp, 100mA, 1ms-10s, 0,1-250mAs, Double Focus

#INCLINE METER and DOSIMETER (Optional)

#CONTROL PANEL for radiographic parameter adjustments close to the patient. Prevents displacements and improves

Counterbalanced arm by the SHOCK ABSORBER

#Long Forearms for easy driving and unloading from a vehicle

COMPACT PORTABLE UNIT
 · It is designed for use in narrow spaces such as corridors, doors and patient beds.
 · High strength, (aluminum or steel construction).
 · Adaptable to any terrain with standard or off-road wheels (optional).

#Easy access and large STORAGE capacity for Cassette, CR or Digital Detector.

#BRAKE on big wheels for full safe use



Parking Position



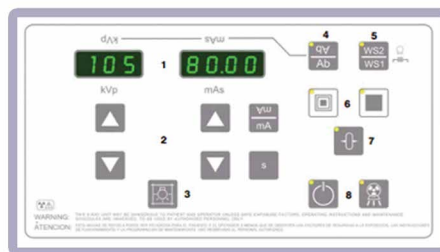
Foldable Leg



Assist Pedal When Overcoming Obstacles



Foot Brake



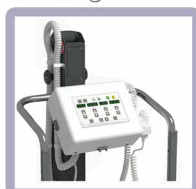
Generator Console

- | | |
|----------------------------|---------------------|
| 1. Radiographic Indicators | 5. Work Station |
| 2. RAD parameters | 6. Focal Spot |
| 3. Collimator light | 7. Reset |
| 4. Control Panel Rotating | 8. Exposure Control |



(LAPSUP) PC Platform

Wherever you go, your data is always with you thanks to the LAPSUP for your PC in the portable unit.







Membrane Console with APR (Optional)



Touch Screen Console with APR (Optional)

Portable Units

USX-RAD X6-E

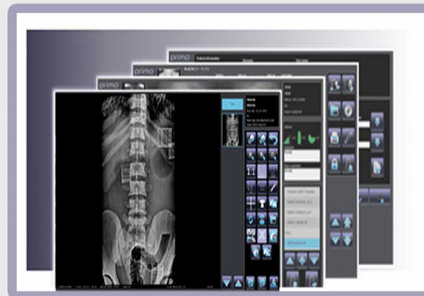
-  Home care has never been easy like this.
-  Easy Carry Bag
-  Foldable Stand
-  4 / 8 kW High frequency Generator



Digital Unit (Optional)



High Image Quality with Wireless Flat Panel Detector Unit



#Professional Image Acquisition Software



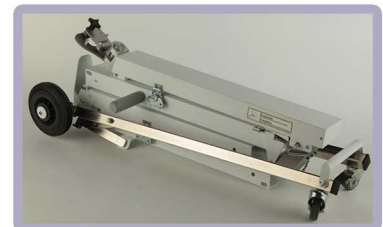
#Latest Technology Workstation with Touchscreen Medical Monitor



Generator Console, Radiographic Indicator, Collimator Light, Radiographic Parameter Selection, Pre-Exposure and Exposure Button.



Optional carrying unit with great portability thanks to its lightweight construction and foldable dimensions that adapt perfectly to different radiographic locations



(Optional) Folding Transport unit



Easy carry bag



OMNISCOP FP-S

- ✕ Positioning of prostheses and placement of plates
- ✕ General intraoperative procedures
- ✕ Fractures repaired in different anatomical regions
- ✕ Pace maker or catheter implantation in the chest area
- ✕ ERCP procedures
- ✕ Neuromodulation and laser nucleolysis procedures
- ✕ Electrophysiology procedures
- ✕ Pain management procedures
- ✕ Urology and hystero procedures
- ✕ Cerebral, thoracic and peripheral vascular procedures using DSA function



Medical Class HD 27" Touch Screen 4MP Resolution

Allows live viewing and post-processing of images. LIH (Last Image Hold) function to freeze the final image and it allows you to store it.

Removable GRID

For Low Dose pediatric surgeries and gridless procedures

21x21 or 30x30
Flat Panel Detector

C-ARM

Mobile and lightweight, 80.8 cm free space for faster and better positioning

Powerful 5 kW Generator

Excellent dose/image quality ratio

Unique Adjustment and Flexibility

Thanks to its 3-axis adjustment, the monitor is always in the surgeon's line of sight.

Operator 12.5" Touch Screen

Easy access to inspection protocols and image tools..

Adjustable Height

Motorized vertical movement up to 45cm

Grips

Double Grips for easy movement

Extended Connectivity

USB, Ethernet, Wifi, HDMI Wifi, Radiation Dose SR. (DICOM Options)



#360° Viewing
Monitor height and angle are adjustable



#Flat Panel Detectors
21x21 cm or 30x30 cm
Dimension Options



#Independent additional
monitor
(Optional)



#Laser Positioner
Laser pointer on tube and
detector side for Precise
Positioning (Optional)



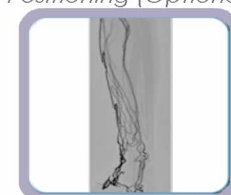
#Advanced Image Processing,
Specialized image
processing software for each
anatomical protocol



#Dose Reduction
Half dose Examination
Removable Grid



#Wireless Foot Pedal
(Optional)



#DSA (Optional)
To meet all interventional
vascular examination needs

C-Arm Systems

OMNISCOP FP

- ✘ Positioning of prostheses and placement of plates
- ✘ General intraoperative procedures
- ✘ Fractures repaired in different anatomical regions
- ✘ Pace maker or catheter implantation in the chest area
- ✘ ERCP procedures
- ✘ Neuromodulation and laser nucleolysis procedures
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- ✘ Cerebral, thoracic and peripheral vascular procedures using DSA function



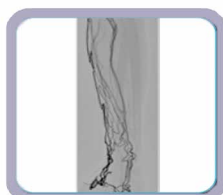
#Flat Panel Detectors
21x21 cm or 30x30 cm
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Positioning (Optional)



#DSA (Optional)
To meet all interventional
vascular examination needs



#Wireless Foot Pedal
(Optional)



#Advanced Image
Processing, Specialized
image processing software for
each anatomical protocol

Fluoroscopy Systems

XCELLENCE DYNAMIC

3 IN 1 SOLUTION

X FLUOROSCOPY



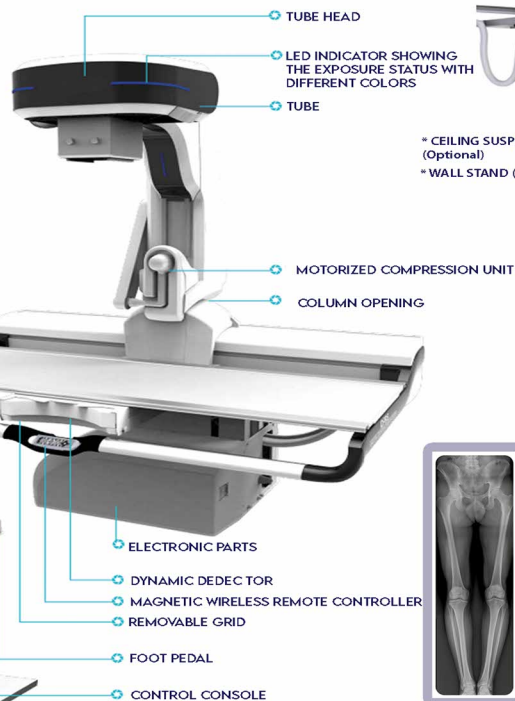
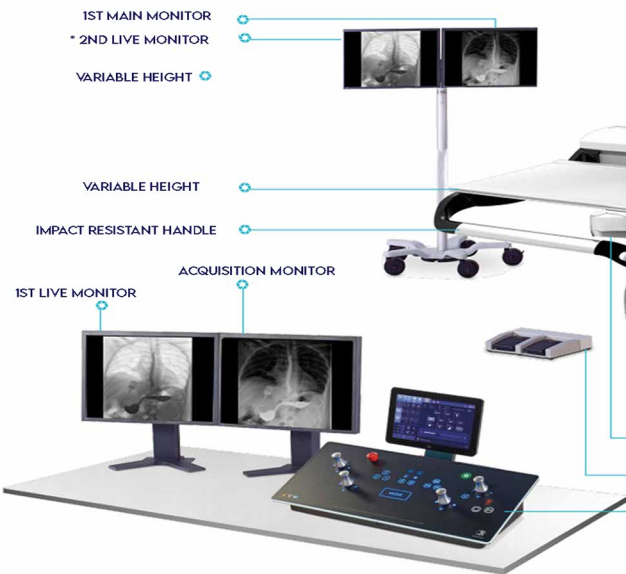
X RADIOGRAPHY



X DIRECT EXPOSURES



- *310 KG PATIENT CAPACITY
- *SUPERIOR IMAGE QUALITY WITH DYNAMIC FLAT PANEL DETECTOR
- *POWERFUL AND ERGONOMIC DICOM COMPATIBLE WORKSTATION
- *SINGLE COLUMN ROTATION CAPABILITY IN THE INDUSTRY
- *CONSOLE WITH PRECISE MOTION CONTROL



#Automatic Scoliosis
 >Tube and detector are automatically positioned
 >Stitching ability up to 1.5 meter
 >Ability of scoliosis exposures in horizontal and vertical positions
 >Automatic image stitching



#100-180 cm Motorized SID



#Motorized Tilt from Horizontal to Vertical Position



#Minimum height for Inpatient Transfer 38 cm



#Motorized Tube Rotation

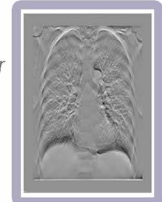


#Trendelenburg Position



#Maximum height for Patient Transfer from wheelchair 140 cm

Tomosynthesis



#Advanced Tomosynthesis module for 3D reconstruction from a multi-slice image

#DSA

- Advanced Angiography module
- Pixel shift
- Roadmapping
- Landmarking
- injection phases

Mammography Systems

DIGITAL SERIES MAMMOGRAPHY DEVICES

- X One platform, Three Systems
- X Isocentric C-Arm
- X "Smart μ PRESS" Compression System
- X "SENSROI" Automatic Exposure Control
- X Improved Workflow
- X 7" Touch Colour Screens
- X Foot Pedal

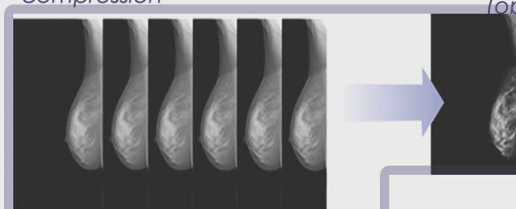
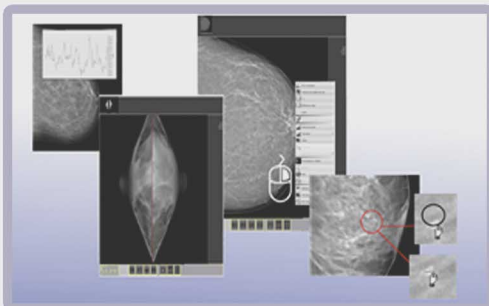


Image Acquisition Workstation



#The Acquisition Workstation is equipped with transparent X-ray protection, which ensures safety in the work area and allows for standing near the patient during examinations.

- 0,34mm Pb Anti-X Protective Barrier
- 15" Control Panel Color screen
- 7.4kW Generator.
- Motorized concentric C-Arm (vertical)
- Special Protective Screens (Face out)
- Automatic collimator
- 2 x internal 7" TFT LED Touch color screen
- PC 2HDD 1TB (25.000 images) + 128GB (Operating system).
- 24" Monitor 2MP (optional).
- 2 multi-function foot pedals.
- Phantom for calibration without compression
- 24" 2MP Color Monitor
- CD/DVD/USB, Speaker.
- Tungsten X-Ray Tube 0.1/0.3.
- Biangular anode: 300kHU.
- Silicon or Selenium Digital detector 24x30cm.
- Bucky with removable anti-scatter grid for 2D
- Compression paddles
- Dose Calculator
- 2 emergency buttons
- Data acquisition station with internal or X-ray barrier protection (optional).



Ability to obtain 3D tomosynthesis images from 2D images

TOMOSENTEZ (Opsiyonel)

Optional 3D Biopsy feature



FEMINA DIGITAL DBT

The ultimate system can be configured for any type of mammography exam, including tomosynthesis. It can be easily upgraded with the latest biopsy techniques in tomosynthesis and contrast-enhanced mammography.



FEMINA DIGITAL

A complete system for obtaining 2D images, fully upgradeable to any digital method. It can be performed with a wide variety of accessories, including the device for stereotaxic and tomo-guided biopsies.



FEMINA DIGITAL COMPACT

This version is suitable for 2D image acquisition but it can be integrated with various accessories with unique performance and price features. It has a compact design and the CsI detector is a perfect fit for mobile scanning mammo units.

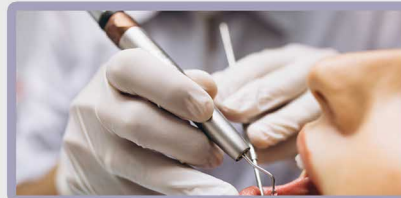
OZONETTE DENT

- ✘ *Painless and Safe Treatment*
- ✘ *Fast Recovery Through Ozone Use*
- ✘ *It facilitates Caries Control and reduces dentin sensitivity and hyperesthesia.*
- ✘ *It has been shown to improve local immunity and tissue regeneration in chronic periodontitis.*
- ✘ *It does not cause allergic reactions or any adverse reactions with other drugs.*
- ✘ *It improves the postoperative period and complications.*
- ✘ *According to the FDA, it destroys 99.9992% of all pathogenic microbes.*

Treatments with O₃ Injector



PERIODONTOLOGY
Promotes tissue regeneration and microbial activity reducing positive symptomatology



PREVENTION
intraoperative applications prevent complications



SURGERY AND PROSTHESES
Cavity bed and crown preparation tubuli sterilization, limiting sensitivity



ORAL TREATMENT
Irrigation and filtration of any lesion



ORAFACIAL PAIN
Extremely safe and effective dysfunction treatment in craniomandibular



ENDODONTY
Best post-operative care

Ozonette is a compact medical ozone generator incorporating the latest technological developments. It is designed for ozone therapy applications where concentrations must be measured accurately and safely in accordance with international standards.

Three modes are available in Ozonette:

- The syringe process is the most advanced on the market with automatic syringe size detection. Ozone output is made with a double valve system and automatic pressure compensation to prevent unwanted leaks, which ensures user and patient safety.
- Continuous ozone mode operation with variable flow setting and overpressure detection is ideal for local bag treatments both in open and closed circuit or in liquids to be ozonized.
- Injector mode allows for concentration, flow rate and overpressure cut-off programming that enables user-controlled ozone generation, provides data on delivered volume and dose during production.

The compact and high-precision tube consists of high mechanical strength against the ozone effect, state-of-the-art materials and a high-voltage generator with dielectric discharge. Low consumption, high efficiency and does not require annual maintenance.



O₃ Injector



Ozone Devices

OZONETTE

X Ozonette, it is a compact medical ozone generator incorporating the latest technological developments. It is designed for ozone therapy applications where concentrations must be measured accurately and safely in accordance with international standards.

Technical Specifications

Usage Modes syringe autoloader, independent flow continuous mode, manual mode (full user Control)

Concentration Range 80 ug/MI in steps of 1 ug/MI.

ACM concentration measurement algorithm mathematical calculation

N measurement standardization (related to pressure and temperature)

DC dynamic control for stability and concentration accuracy

AD automatic overpressure detection.

Exit 3 g/h.

Optimized oxygen consumption

Compact and high precision type, high mechanical strength, made of latest generation materials. Uniform flow distribution

High Voltage Generator

ozone removal maintenance free with a double independent circuit with two internal catalyts

Ozone Flow It is produced from 10 to 80 L/h, digitally adjustable.



Operational control digital touch LCD screen.

Text-free synoptic interface

(universal and intuitive)

Weight / Dimensions 3 Kg (O2 except bottle).

25 cm x 27 cm x 12 cm (9,8" x 10,6" x 4,7").

Certificates , CE, class IIb. RoSH.

Compatibility, With oxygen cylinder and central oxygen supply system.

Universal external power supply, Medical Standard (100 - 240 V/50 - 60 Hz.)



Contactless capacitive keypad and LCD display.

Power Supply 100-230 VAC / 50 - 60 Hz/ 145 VA.

Fast tapping oxygen input. Inlet pressure from 1.5 bar to 3.5 bar.

Weight 9 Kg (Except Bottle).

Dimensions 51 cm x 41 cm x 20cm (20" x 16.2" x 7.9").

OZONBARIC P

X The Ozonobaric P medical ozone generator is a portable system, ideal for Ozone applications in Human and Veterinary Medicine, with NK-7 shockproof, automatic pressure regulating valve and Power Claw closure, integrated in an IP67 waterproof casing. It is suitable for all kinds of ozone therapy.

Technical Specifications

Concentration Range Standard units of measurement from 1 µg/Nml to 80 µg/Nml.

Exit 3 g/h.

Continuous Concentration setting In steps of 1 µg/Nml.

Concentration Measurements, binary, photometric and indirect (ACM).

Maintenance free

Precision of Measurements high in concentration.

Adjustable Flow Rate In manual and dynamic modes from 20L/h to 50L/h.

operation Modes Syringe, Continuous, Dose, Insufflation, Bagging, Vacuum

Integrated Vacuum Pump, Vacuum up to 0.68bar (8.7 PSI).

Independent ozone and vacuum inputs, standard Luer lock system.

35 Years of Experience

www.usx-ray.com



sale@usx-ray.com



+90 374 243 92 00

Mammography



C-Arm



Floor-mounted



U-Arm



Fluoroscopy Table



Portable



Bag-type



Ozone Dent

Home Care



Portable



Floor-mounted



U-Arm

US X-RAY
RÖNTGEN A.Ş.



D-100 Karayolu Cad.
Yenicepinar Köyü No:40
14240 Merkez-Bolu/TÜRKİYE