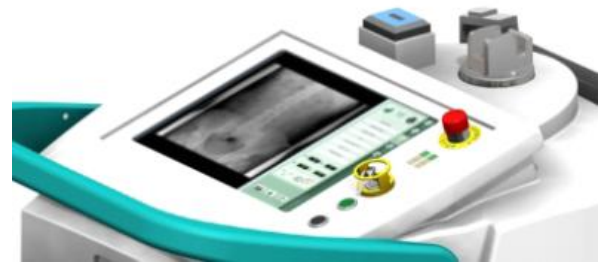




## **MOBILE X-RAY UNIT MOTORIZED with WIRELESS THALES PIXIUM 3543**

**MODEL Movix 20 Dream T  
20 kW – 320 mA – 125 kVp  
500 mAs**



**The Battery Assisted RAD DIGITAL Mobile is a system that provides mobile digital solutions to advanced clinics and Hospitals**

The system has the most innovative Battery Assisted High Frequency Generator, that permits high output power without needing to be connected to any standard power socket and allows for excellent operability and manoeuvrability in any of the Hospital areas: surgical rooms, intensive care, emergency etc.

### **TECHNICAL SPECIFICATIONS**

#### **X-RAY GENERATOR:**

- Battery Assisted High Frequency generator
- Microprocessor Controlled
- Auto diagnostic System for easy maintenance.
- Tube overload protection continuously Monitoring of the remaining X-Ray Tube Heat Units
- Power 20 kW. According to IEC
- KVp Range from 40 KVp to 125 KVp in 1 KVp Steps.
- mA range from 10 to 320 mA in Renard scale:  
10, 12.5, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 320 mA
- mAs Range 0.1 to 500 mAs.
- Time range from 1 ms. to 10 sec. 40 Time stations. Renard Scale
- User Friendly Touch Screen Control Panel
- Software Package for Integration with Wireless Pixium 3543
- Two steps Hand switch for preparation and exposure
- Audible and light indication for x-ray exposure
- Line requirement: Single Phase 100-240 VAC 50/60 Hz.  $\pm 10\%$

#### **TUBE STAND COLUMN MOBILE UNIT:**

- Motorized Unit. 4 km/h Speed. Pressure Sensitive Moving System ( Patented ).
- Two Independent Motors one for each wheel. Forward and Backward movement.
- Excellent mobility with large rear wheels for easy transportation even over small obstacles.
- Independent Battery Charge Indicators for Driving and Generator Batteries.
- Anti Collision System. Frontal and Lateral.
- Easy access to any elevator, hall-way, doors and patient bed side.
- Quick and sturdy breaking system control when operator releases the handle.
- Manual rotary collimator with x-ray covers area light indication.
- Possibility of Lighting the Collimator from booth Collimator and Front Panel.
- Ergonomic touch control panel with sensitive push button.
- Emergency Stop push button, clearly accessible.
- Tube stand column rotation +/- 270°
- Tube rotation “X” axis +/- 180°
- Tube rotation “Z” axis 120°
- Vertical tube travel 150 cm.
- Horizontal tube travel 56 cm.
- Counterbalanced tube arm.
- Electromagnetic breaks with release from the Collimator and Front Handle
- Maximum Focal Distance 202.5 cm to the floor
- Minimum Focal Distance 57.5 cm to the floor.
- **Cabinet for Pixium 3543 easily accessible.**
- **Wireless detector Pixium 3543**
- **Detector grid**
- **Computer for Mobile Application**
- **High Resolution Touch Screen 15”**
- **Retractable Ethernet Spool**

### **X-RAY TUBE:**

- Maximum KVp., 150 KVp.
- Rotary anode
- Dual focal spots:  
Small focal spot 0.3 mm.  
Large focal spot 1.0 mm.
- Power rating:

Small focal spot	3.5 KW (50/60 Hz.)
Large focal spot	40.0 KW (50/60 Hz.)
- Target angle, 12°
- Anode heat storage capability 140,000 H.U.
- Housing heat storage capability 1,250,000 H.U.
- Low speed rotor drives 3,000 r.p.m.

### **HIGH TENSION CABLES:**

- Two Ultra Flexible High Tension Cables 75 kVp.

### **OPTIONS :**

- Possibility to connect to an Ion Chamber
- Possibility to connect to a Bucky
- Remote Handswitch
- Wifi module for data transfer
- **DICOM Patient CD** Creates patient CDs which include DICOM DIR structure and a viewer
- **DICOM Query and Retrieve**, allows the modality to call images, e.g PACS

### **DIMENSIONS AND WEIGTH:**

- Height 195 cm
- Wide 64 cm
- Length 124 cm.
- Weight 541 Kg.
- Power supply 100-240 VAC 50/60 Hz. ±10%

### **SOFTWARE**

**Basic Package:** The package includes the console software, an interface for one flat panel. The module includes organ specific image processing software, a Diagnostic Module Standard and the multimedia radiographic positioning guide. It is sufficient to equip a single workstation without generator control.

**DICOM Worklist SCU** Query of a DICOM worklist provided by a patient management system, HIS or RIS.

**DICOM Send SCU** Manual or automatic distribution of images to one or more DICOM recipients, e.g. PACS



**The Battery Assisted RAD DIGITAL Mobile is a system that provides mobile digital solutions to advanced clinics and Hospitals**

The system has the most innovative Battery Assisted High Frequency Generator, that permits high output power without needing to be connected to any standard power socket and allows for excellent operability and manoeuvrability in any of the Hospital areas: surgical rooms, intensive care, emergency etc.

## **TECHNICAL SPECIFICATIONS**

### **X-RAY GENERATOR:**

- Battery Assisted High Frequency generator
- Microprocessor Controlled
- Auto diagnostic System for easy maintenance.
- Tube overload protection continuously Monitoring of the remaining X-Ray Tube Heat Units
- Power 32 kW. According to IEC
- KVp Range from 40 KVp to 150 KVp in 1 KVp Steps.
- mA range from 10 to 500 mA in Renard scale:  
10, 12.5, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 320, 400, 500 mA
- mAs Range 0.1 to 500 mAs.
- Time range from 1 ms. to 10 sec. 40 Time stations. Renard Scale
- User Friendly Touch Screen Control Panel
- Software Package for Integration with Wireless Pixium 3543
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- Line requirement: Single Phase 100-240 VAC 50/60 Hz.  $\pm 10\%$

## **TUBE STAND COLUMN MOBILE UNIT:**

- Motorized Unit. 4 km/h Speed. Pressure Sensitive Moving System ( Patent ).
- Two Independent Motors one for each wheel. Forward and Backward movement.
- Excellent mobility with large rear wheels for easy transportation even over small obstacles.
- Independent Battery Charge Indicators for Driving and Generator Batteries.
- Anti Collision System. Frontal and Lateral.
- Easy access to any elevator, hall-way, doors and patient bed side.
- Quick and sturdy breaking system control when operator releases the handle.
- Manual rotary collimator with x-ray covers area light indication.
- Possibility of Lighting the Collimator from booth Collimator and Front Panel.
- Ergonomic touch control panel with sensitive push button.
- Emergency Stop push button, clearly accessible.
- Tube stand column rotation +/- 270°
- Tube rotation “X” axis +/- 180°
- Tube rotation “Z” axis 90°
- Vertical tube travel 150 cm.
- Horizontal tube travel 56 cm.
- Counterbalanced tube arm.
- Electromagnetic breaks with release from the Collimator and Front Handle
- Maximum Focal Distance 202.5 cm to the floor
- Minimum Focal Distance 57.5 cm to the floor.
- **Cabinet for Pixium Portable Detector 3543 easily accessible.**
- **Pixium Portable Detector 3543**
- **Computer for Mobile Application**
- **High Resolution Touch Screen 15”**
- **Retractable Ethernet Spool**

### **Pixium Portable Detector 3543**

#### **Detector Grid**

### **X-RAY TUBE:**

- Maximum KVp., 150 KVp.
- Rotary anode
- Dual focal spots:  
Small focal spot 0.7 mm.  
Large focal spot 1.3 mm.
- Power rating:

Small focal spot	17,0 KW (50/60 Hz.)
Large focal spot	40.0 KW (50/60 Hz.)
- **Target angle, 16°**
- Anode heat storage capability **300,000 H.U.**
- Housing heat storage capability 1,250,000 H.U.
- Low speed rotor drives 3,000 r.p.m.

### **HIGH TENSION CABLES:**

- Two Ultra Flexible High Tension Cables 75 kVp.

### **OPTIONS :**

- Possibility to connect to an Ion Chamber
- Possibility to connect to a Bucky
- Remote Handswitch
- Wifi module for data transfer
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### **SOFTWARE**

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**DICOM Worklist SCU** Query of a DICOM worklist provided by a patient management system, HIS or RIS.

**DICOM Send SCU** Manual or automatic distribution of images to one or more DICOM recipients, e.g. PACS

CODE	Options for Radiographic X-Ray Units	Price
<b>AEC-M</b>	Automatic Exposure Control for all types of Mobile x-ray units (Battery Powered and Capacitors)	
<b>RHS-M</b>	Remote Control Pre./Expo. for all types of Mobile x-ray units (Battery Powered and Capacitors)	
<b>SM-E7886X</b>	Upgrade for 20 kW with the X-ray Tube E7886X ( 16° focal Spots 0,7/1,3 mm. 150 KV. 300KHU)	
<b>COBU</b>	Optional Bucky connection for battery mobiles	
<b>SM-150KVP</b>	Optional 150kvp maximum kVp for the generator	
<b>VAD-METER</b>	Dose/area Meter integrated with application which displays the value.	
<b>WIFI</b>	WIFI module to transfer data to WIFI connecting point	
<b>DICOM CD</b>	CD/DVD drive, allows to burn patient CD/DVD file with Dicom viewer included .	
<b>DICOM Q/R</b>	<b>DICOM Query and Retrieve</b> , allows the modality to call images, e.g PACS	

Warranty:

- **Warranty** : includes 1 year warranty from shipment date or maximum 16 month from installation date, whichever comes first, parts only, defective parts to be returned to our factory on your behalf subject to acceptance of our technical experts only, are excluded of: batteries, wear and tear , incorrect, careless or abnormal use or negligence, improper manipulation of the equipment or parts thereof, improper storage, defects in electrical or water supply, fire, theft, vandalism, sabotage and water damage, damages arising in the consequence of causes attributed to nature as but not limited to earthquakes, typhoons, floods, and other events beyond the control of the hospital management... Detector warranty, void if shock sensors are activated.