

# RAFALE EZ

Mobile radiography unit with Pixium EZ

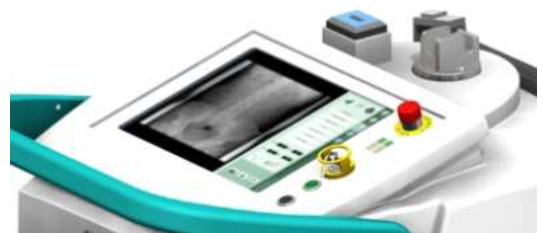
The Battery Assisted RAD DIGITAL Mobile, is a system that provides the solutions that the new Clinics and Hospital demand.

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 an excellent operability and manoeuvrability in any of the Hospital areas: surgical rooms, intensive care, emergency etc.



## CONFIGURATION:

X-ray Generator with Batteries (20, 32, 40 or 50 kW)  
Tube Stand column Mobile Unit  
Pixium EZ: Pixium Portable Detector 3543  
Detector Grid  
X-ray Tube  
High Tension Cables



# RAFALE EZ range

## 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 EZ easily accessible.**

**Computer for Mobile Application**

**High Resolution Touch Screen 15" 640x480 pixels**

**Retractable Ethernet Spool**

## Pixium EZ Portable Flat Panel Detector

Amorphous Silicon Technology  
Caesium Iodide Scintillator (CsI)  
X-Ray sensing surface (Detector Size) :  
342 x 432 mm (13.5" x 17")  
Image matrix : 2800 x 2440 pixels  
Pixel pitch : 148 µm  
16 bits Digital Data Conversion  
Excellent DQE  
Time between exposures: 5 sec.  
WIFI docking station

## Detector Grid

## HIGH TENSION CABLES:

Two Ultra Flexible High Tension Cables 75 kVp.

## DIMENSIONS AND WEIGHT:

Height 198cm  
Width 68 cm  
Length 136,5 cm.  
Weight 570 Kg.  
Power supply 100-240 VAC 50/60 Hz. ±10%

## OPTIONS:

AEC + Ionisation Chamber  
Bucky connection  
Remote Handswitch

# RAFALE B20 EZ

## X-RAY GENERATOR:

- Battery Assisted High Frequency generator
- Microprocessor Controlled
- Auto diagnostic System for easy maintenance.
- Tube overload protection continuous monitoring of the remaining X-Ray Tube H.U.
- 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
- DAVINCI VL: Acquisition and Image processing workstation type Da Vinci View
- 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. ±10%

## 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.

# RAFALE B32 EZ

## X-RAY GENERATOR:

- Battery Assisted High Frequency generator
- Microprocessor Controlled
- Auto diagnostic System for easy maintenance.
- Tube overload protection continuous Monitoring of the remaining X-Ray Tube H.U.
- 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
- DA VINCI VL: Acquisition and Image processing workstation type Da Vinci View
- 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. ±10%

## 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.