



# MOBIRAD 50

Capacity and Reliability  
in Mobile Imaging

## Key Benefits

- Comfort Maneuvering with Compact Design
- Easy Handling and Positioning
- Exceptional Image Quality Even at Low Dose



# Comfort Maneuvering and Positioning with Compact Design

## MOBIRAD 50

### Outstanding Driving Experience

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Compact size and short wheelbase enables easy transporting in cluttered and tight spaces, maintaining the excellent portability.

### Easy Handling

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Improved patient safety with easy to clean design, preventing the infection from the hospital.



### Enhanced Workflow by Effortless Positioning

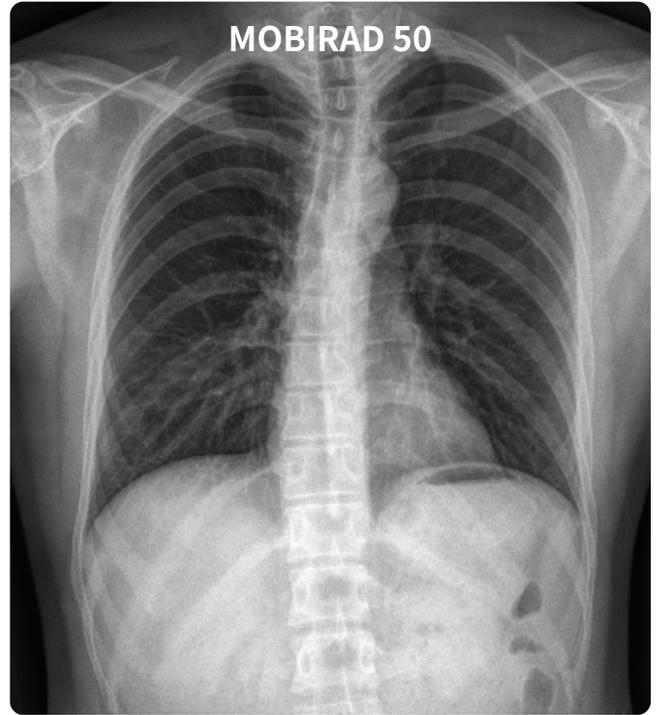
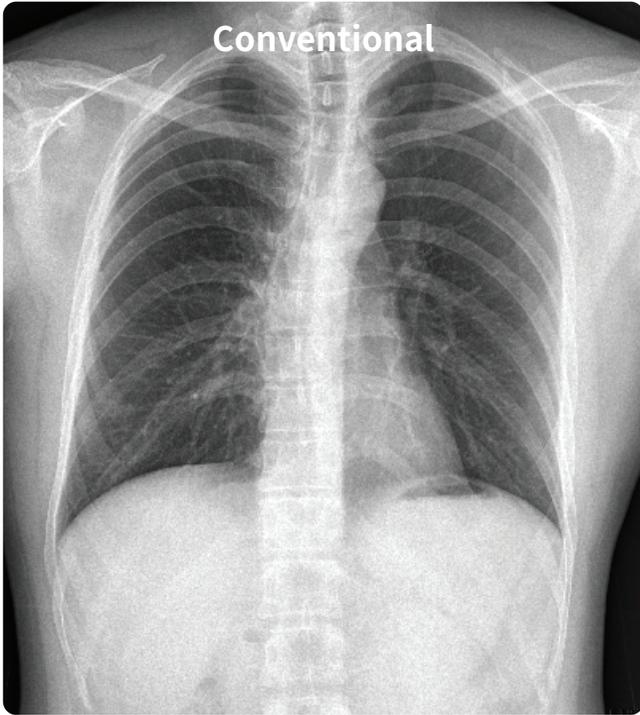
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Fast, precise, easy positioning can be achieved with diverse features:

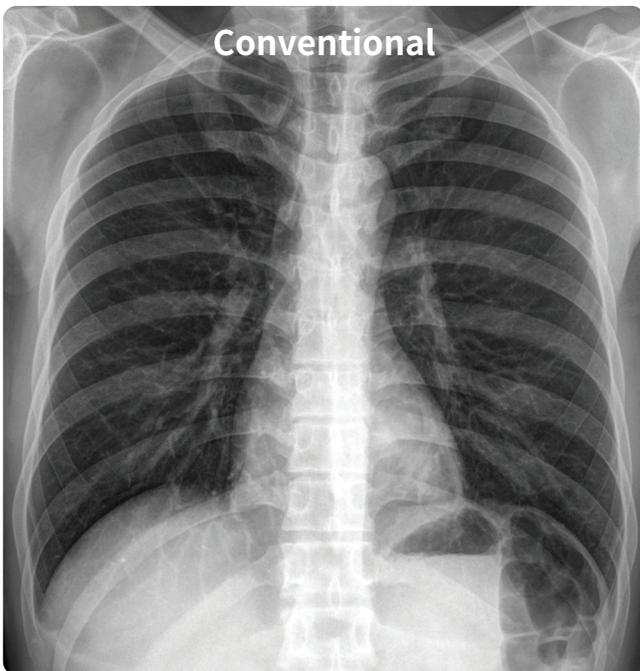
- Ultrasonic sensor-based automatic SID control
- long reach height adjustable arm
- X-ray exposure pre-set with generator integration



# Exceptional Image Quality even at Low Dose



Clear and sharp image optimized for early detection and diagnosis of major chest diseases such as nodules, pneumothorax, and pneumonia.



# Intuitive and Convenient Operation with ECONSULE1

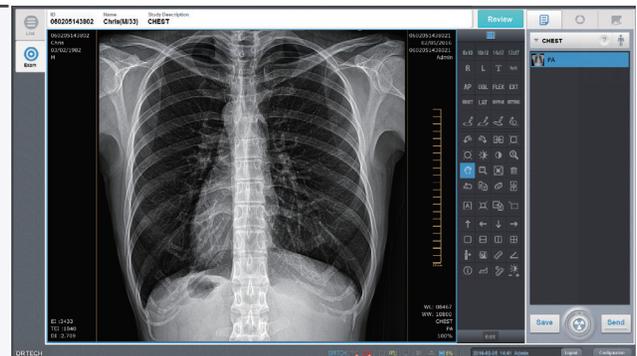
## Advanced Imaging Processing

·DEPAI™

DEPAI applies artificial intelligence imaging processing on Bone, Muscle, and Soft tissue resulting in noise and artifacts reduction on images.

·TRUVIEW®ART

TRUVIEW®ART increases image sharpness up to 30% resulting in exceptional image quality.



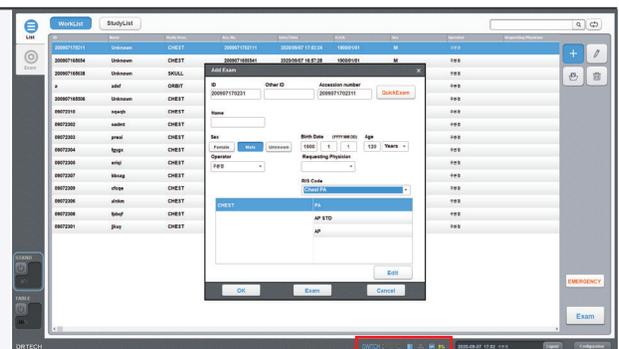
## Versatile Image Editing Functions



- Auto Stitching(up to 4 images), Auto Labeling, and Auto Crop Function.
- Versatile Image Control Tool for User Convenience
- 9 Image Parameter Options Based on Image Preference.

## Intuitive UX/UI

- Easy & Simple Patients Register Process
- Real Time Connection Status Check (PACS Connection, Image Transfer, Detector Connection, Battery etc)
- Customizable Tool Bar
- Multi-languages Support (18 languages)



**MOBIRAD 50**

Type	Digital manual mobile X-ray unit with wireless detector
Dimensions – In operation	1500mm x 634mm x 2069mm
Dimensions – Packing/Transport	810mm x 634mm x 1546mm
Main supply	240V, Single phase, 50/60Hz
Main fuse	16A
Detector storage	One detector
Weight	166kg
Source to floor distance	385–20000mm
Handswitch with release button	yes

**Generator**

Type	High frequency generator
Power	5W
mAs range	0.32–200 mAs ( $\pm 10\%+0.2\text{mAs}$ )
kV range	40 – 110 kV (1kV step) ( $\pm 10\%$ )
mA range	20–100 mA
Exposure times	MAX 5s

**Tube**

Focal spot	1.8mm in large focus 0.5mm in small focus(Not Used)
Target angle	16°
Target material	Tungsten
Anode heat storage capacity	KHU(28kJ)
X-ray tube anode	Stationary
Tube head rotation	$\pm 105^\circ$
Tube column rotation	$\pm 90^\circ$
Telescopic travel	-

**Collimator**

Type	Manual, with LED light field indicator
Input voltage	24VDC
Luminous flux	More than 100 lux
Rotation	$\pm 90^\circ$
Filters	Add 2.0mm Al

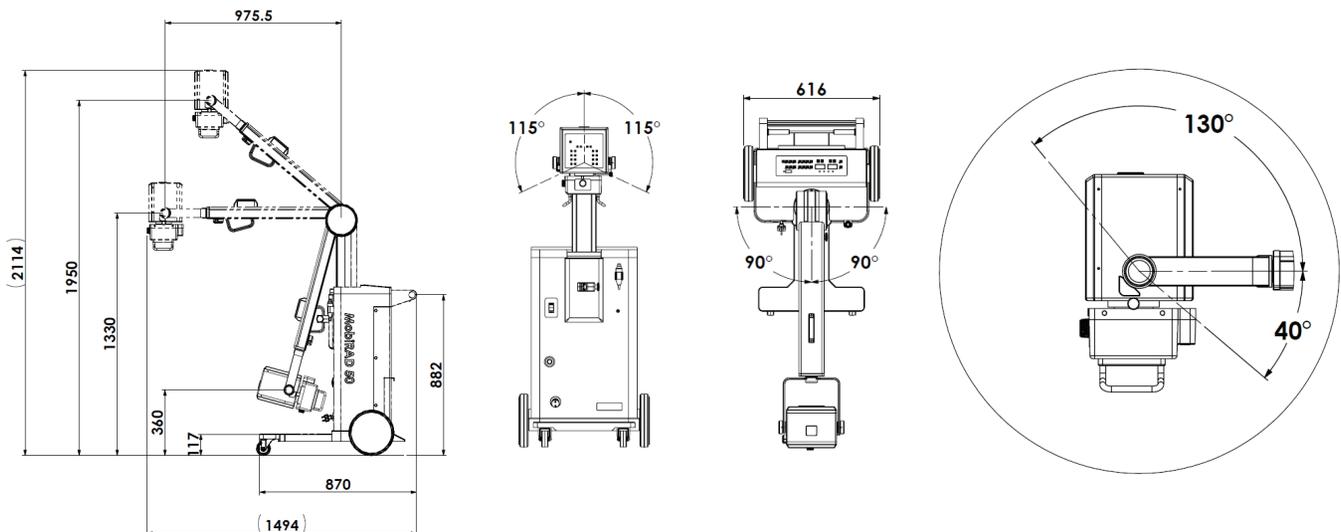
**Detector**

Type	EVS 3643W (Wireless)
Pixel size	140 $\mu\text{m}$
Scintillator	CsI
Detector size	36 cm x 43 cm (14" x 17")
Image matrix size	2460 x 3072 pixels
A/D conversion	16 bits
Weight	3.0 kg (approx. 6.62 lbs)
Autonomy standby mode	6 hrs

**Additional Options**

Remote control for exposure
Handle frame for detector
Dose Area Product (DAP) meter

**Dimensions**



# DRTECH

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