OR Technology

X-ray system with Bucky table and wall stand

Amadeo R-DR

Universal X-ray system
for confined spaces

For **X-rays from head to toe** on lying, sitting or standing patients

Large floating table top with high load-bearing capacity (for patients with larger body circumference)

Easy handling

X-ray software included for image acquisition and diagnostics incl. cloud connection

System benefits

Optimal for small rooms – fully operational even in confined spaces (>7.20 m²)

Complete: X-ray images from head to toe – X-ray images of the skull, thorax, pelvis, skeleton and extremities can be taken on a lying patient as well as on a sitting or standing patient.

Simple: convenient, problem-free operation thanks to functional design – X-ray tube and Bucky tray can be lowered down to the ground

Time-saving: No additional effort required for rotating the detector (when using a 43 x 43 cm detector) – no tedious turning for landscape or portrait shots

Efficient: integration into your existing patient management system – patient data at the push of a button

Excellent: high-quality X-ray detector based on a caesium iodide (CsI) scintillator – top image quality even at low X-ray doses

User-friendly: Self-explanatory Or Technology acquisition software *ORmed* including special measurement functions that can be used free of charge

Fast: shortly after taking the shot (6 - 8 seconds), the X-ray image is already available for viewing and diagnostic evaluation

Cleverly designed: integrated X-ray positioning guide helps choose the perfect positioning for each examination including helpful photos, videos and correct X-rays images

Accessibility: integrated diagnostic software offers a worldwide, fast and cost-effective information exchange (via cloud or email)
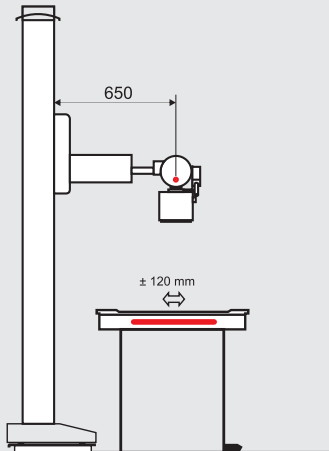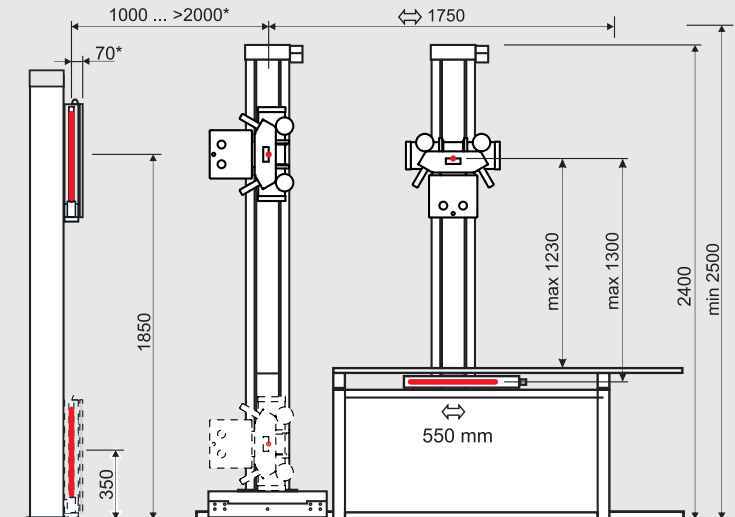
One of a kind: safe and quick registration of emergency patients and user-defined macros for recurring examinations, e.g. thorax screenings
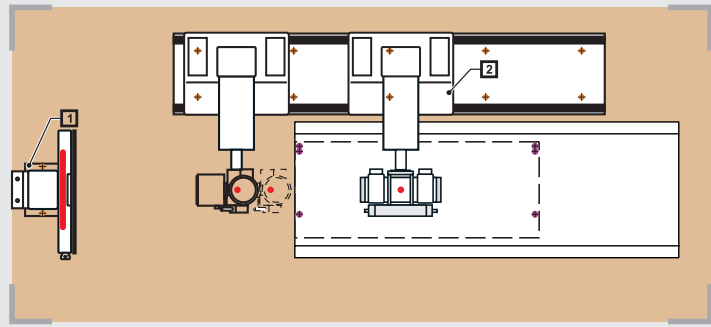
Measurements

Tabletop dimensions: 2,200 x 810 mm
Covered surface with
LNG & TRNS movements: 3,300 x 1050 mm
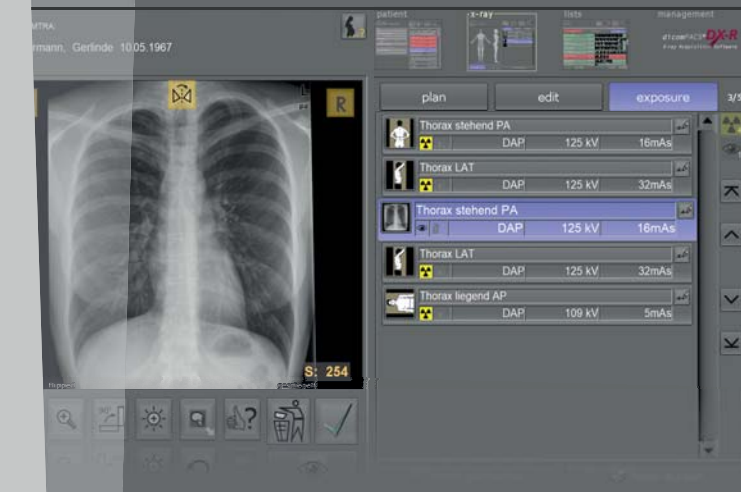Irradiated surface under table: 980 x 430 mm

Min floor space requirement:
1800 x 4000 (7.20 m²)

Advantages
of professional
acquisition software
[manufactured by OR Technology]

- Modern graphical user interface (GUI) adaptable to almost any language, **touchscreen** operation – to ensure quick and efficient work and a smooth workflow

- Capture patient data via **DICOM Worklist, BDT/GDT, HL7** or other protocols – data may also be captured manually

- Use **DICOM Procedure Codes** to transfer all relevant examination data directly from the connected patient management system (HIS/RIS)

- **Freely configurable** body parts with more than **400 projections** and numerous possible adjustments already included

- Safe and fast **registration of emergency patients** allowing the user to **switch between examinations** of a patient, for instance to avoid having to re-position the patient frequently

- Allows the user to **subsequently add images** to an examination, even after that examination has been completed

- Additional **special functions** including Chiro Tools (diagnostic tools for efficient analyses) and tools assisting with NUCCA examinations

- **User-defined macros for recurring examinations**, e.g. thorax screenings

- Fully **integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos, videos and correct X-ray images

- Option to **control** a digital X-ray system **via wireless remote** incl. display of the worklist, preview of the image taken for checking and much more

Detailed information can be found
at **www.or-technology.com**

Standard components
Amadeo R-DR systems

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50 KW HF generator

X-ray table
- *4-way floating table (220 cm x 81 cm)*
- *Travel distances: longitudinal 120 cm, transverse 24 cm*
- *215 lp/inch fixed anti-scatter grid M*
  (Focus = 86 - 112 cm)
- *Stable construction with high load capacity of*
  the table, max. 350 kg

Wall stand
- *Height adjustable with counterweight balance,*
  vertical travel distance 156 cm
- *215 lp/inch fixed anti-scatter grid L (Focus = 100 - 180 cm)*

X-ray Tube Stand
- *Counterbalanced tube arm for smooth and easy vertical positioning*
- *Height-adjustable and rotatable 360°*
- *Travel distances: longitudinal 181 cm, vertical 165,5 cm*
- *Manually operated collimator with full field light visor and laser line*

1 x wireless CsI flat panel detector 43 cm x 43 cm (17" x 17")

[example]

X-ray tube
- *Dual-focus rotating anode tube*
- *Focal spot 0.6/1.2 mm*
- *Tube overload protection*
- *Heat capacity 300 KHU*

Operation by *dicomPACS®DX-R* acquisition station

Mini PC with 23" touch screen monitor, 1920 x 1080 Pixel
inl. the professional console software dicomPACS®DX-R
with modern graphic user interface with generator control,
integrated X-ray positioning guide and basic software modules:
- *dicomPACS®DX-R DICOM Send SCU*
- *dicomPACS®DX-R DICOM Patient CD*
- *dicomPACS®DX-R Cognition Optimised Processing*

Optional components

2 x CsI flat panel detector 43 cm x 43 cm (17" x 17")

[example]

- *3-field ionisation chamber (AEC)*
- *DAP meter (Dose Area Product meter)*
- *Upgrade from 50 KW to 65 KW or to 80 KW*
- *LWS / BWS filter*
- *X-ray table with 4-way floating tabletop (220 x 81 cm), motorised height-adjustable table top from 55 cm to 85 cm*

Specifications subject to revision without notice

OR Technology

www.or-technology.com | **X-perts in X-ray**

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