

TECHNICAL DATA

X-ray table

Table height: 59 – 89 cm
Tabletop length: 240 cm
Tabletop width: 80 cm
Tabletop movement lengthways: +/- 48 cm
Tabletop movement widthways: +/- 14 cm
Maximum patient weight: 227 kg (in normal position)
Automatic exposure control: 3 field ionisation chamber
Interchangeable anti-scatter grid

Bucky wall stand

Vertical movement: from 35 to 190 cm
(floor central beam)
Bucky tilt horizontal position:
- 20° to + 90°
Bucky tilt vertical position:
+ 15°; + 30°; + 45°; + 60°; + 75°; + 90°
Automatic exposure control: 3 field ionisation chamber
Interchangeable anti-scatter grid

3D ceiling stand

Displacement region lengthways:
min 3542 mm; max 5667 mm
Displacement region widthways:
min 2216 mm; max 3216 mm
X-ray tube position around the vertical axis:
- 182° .. /.. + 154°
Lock-in position at - 180°; - 90°; 0°; + 90°
X-ray tube unit rotation around the horizontal axis:
- 120° .. /.. + 120°
Lock-in position at - 90°; 0°; + 90°

Multileaf collimator

Halogen light-beam and light centring device
with automatic shut down
Connectable pre-filter: 0.1, 0.2, 0.3 mm Cu
Inherent filtration: 1.0 mm Al

Wireless flat panel detector

Scintillator: CsI Pixium®
Pixel size: 144 µm
Field of view: 342 x 432 mm
DQE @ 0 lp/mm: 66 % typ. at 2 µG RQA5
AD conversion: 16 bit
Image display: 10 sec.
Battery life: typ. 2 hours
Wireless connection: Wi-Fi
Size: 466 x 488 x 24 mm
Weight: 4,8 kg

Fully integrated flat panel detector

Scintillator: CsI Pixium®
Pixel size: 143 µm
Field of view: 429 x 429 mm
DQE @ 0 lp/mm: 66 % typ. at 3.2 µG RQA5
AD conversion: 14 bit
Image display: 5 (overview in 2 sec.)
Size: 535 x 490 x 45,5 mm
Weight: 17,2 kg

X-ray tube unit

Nominal power: 30 kW / 50 kW
Nominal focal spot unit: 0,6 mm / 1,0 mm
Optic anode angle: 16°
Heat storage capacity anode: 600 kHu

High frequency generator

Power: 55 kW
100 kHz technology
Radiographic voltage: 40 kVp - 150 kVp
mAs Integrator: from 0.5 to 800 mAs
Shortest X-ray pulse: 1 ms
Multi-processor system control
Integrated automatic exposure control



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If you have any further questions
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DigiRoebis 3D

Digital Radiography The Next Generation

- Excellent image quality, thanks to "Harmony", medigration's image processing software
- Optimal workflow (High flow-rate)
- Efficient creation of images within just a few seconds
- Extraordinary flexibility
- Extensive DICOM services (Print, Storage, Worklist, MPPS)
- Superb price/performance ratio

DigiRoebis is a high performing, easy to operate, fully digital radiography system for all common examinations in the field of general x-ray diagnostics. It has two flat panel detectors which can be used in x-ray tables/Bucky wall stands as well as for free-standing x-rays and bed x-rays (wireless flat panel detectors only). Flexible positioning together with an X-ray table and Bucky wall stand enables the execution of complicated radiograms with organ automatism or a free exposure technique. Depending on individual requirements, different detector combinations are possible (fully integrated/wireless).

DigiRoebis Flat Panel Detectors



fully integrated flat panel detector



wireless flat panel detector

Combined with the integrated control console, excellent handling of the entire system is guaranteed. The user-friendly interface enables speedy and productive work. Acquisition of patient data can be conducted via DICOM Worklist, GDT or HL7, as well as manually. Individual record parameters can be quickly and easily set. The automatic transfer of correct X-ray settings takes place once one of the defined organ programs has been selected.

By using CsI detector technology, high-quality digital x-ray images for the patient are generated with low exposures to radiation. "Harmony", the image processing software, provides outstanding image quality as well as high-contrast details. All digital images are visible on the monitor immediately after the x-ray for diagnosis.

Integrated Control Console + Image Processing Software "Harmony"



Intuitive selection of individual recording parameters/organ programs



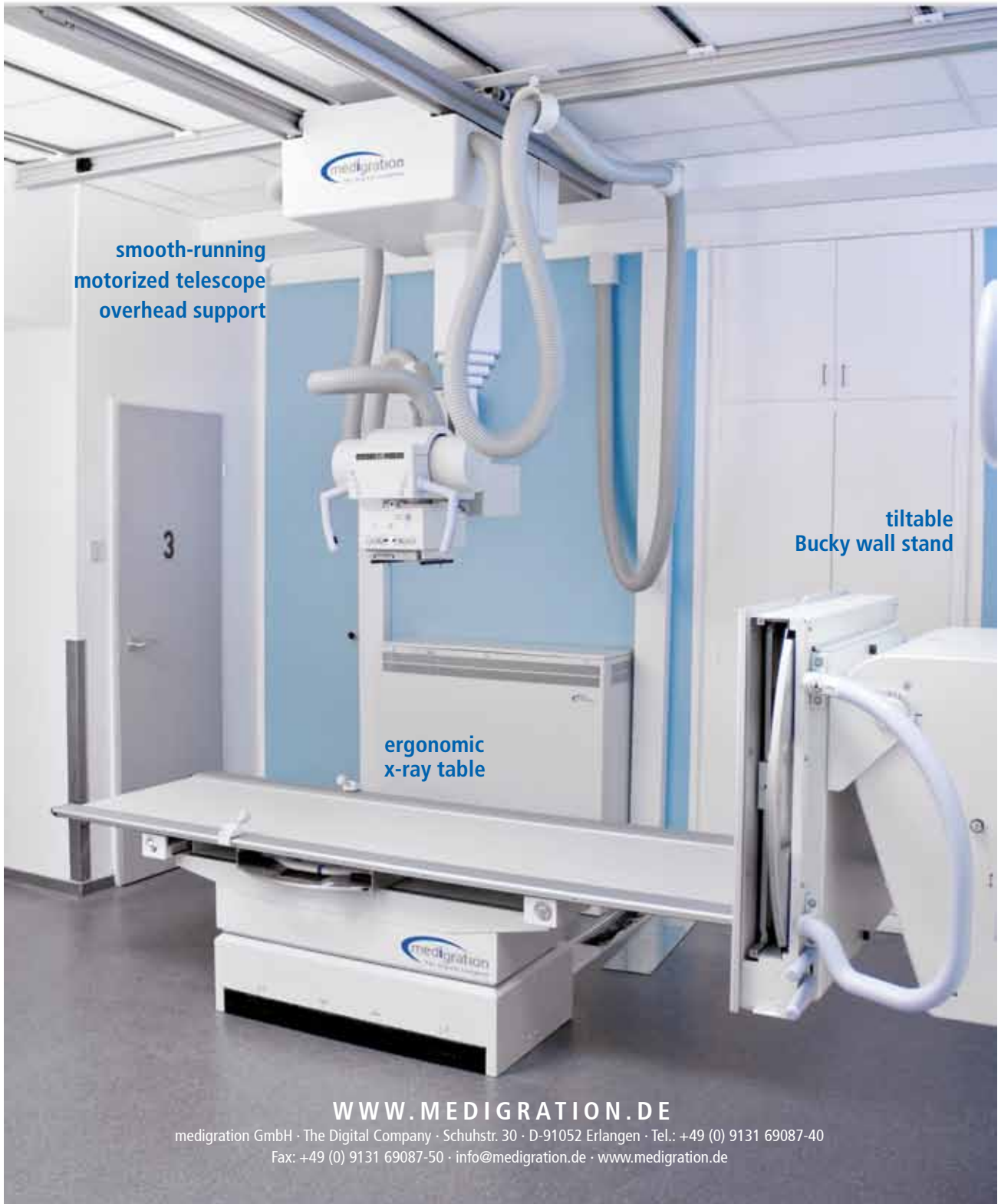
Quick quality control due to the immediate display of the generated image



Stitching option: Matching of individual digital x-ray images to one whole image

DigiRoebis

Digital Radiography - The Next Generation



smooth-running
motorized telescope
overhead support

tiltable
Bucky wall stand

ergonomic
x-ray table

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