

DDR MAK-2000 Digital Radiography System

SPECIFICATIONS

Flat panel detector:

Imaging Area:	422 mm x 406 mm
Number of Pixels:	6.7 million (each pixel 160 microns)
Dynamic Range:	14 bit ADC, 12 bit exported
Image Readout Time:	< 2 seconds
Fill Factor:	Near 100%
Connectivity:	DICOM Compatible

Wall Bucky:

Non-tilting Bucky Stand	Vertical travel 150 cm
Minimum high from floor 40cm	Maximum high from floor 190 cm
Totally counterbalanced for easy movement	Minimum distance detector centre to floor 40cm.
Super speed moving Potter Bucky	Adjustment of speed and travel of the grid
Power requirement 110/220 V.	Grid cabinet
Ion Chamber Cabinet for AEC	Ion Chamber, 3 field
Right side load Bucky	Moving Grid.
Dimensions 44 x 48 cm.	Number of pairs of lines: 103 lines/inch, 40 lines/cm.
Grid ratio 12:1.	Focalized at 150 cm.
Inter spaced material Aluminium	Electromagnetic brakes for the vertical travel positioning

Image detector cabinet:

Detector cabinet with integrated Control Panel	<ul style="list-style-type: none">Large digital detector, maximum size: 43 cm x 43 cm (17" x 17")range of tilt: +/- 45°
Unit fixation system Image Detector Cabinet	Floor to ceiling support birotational rotation movement

Grid type:

- 1) Recirculating bucky (oscillating grid)
(103 lines / Ratio 12:1 / 1 = 150 cm / 59")
- 2) Grid cabinet + non oscillating interchangeable grid
 - a) 1st grid - 180 lines / Ratio 12:1 / 1 = 180 cm / 70.9"
 - b) 2nd grid - 180 lines / Ratio 12:1 / 1 = 180 cm / 70.9"

Specifications subject to change without prior notice.



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DDR MAK - 2000

Direct Digital Radiography System



Mobile column:

Floor to wall mounted support
Dual-speed motorized travel arm
vertical movement for effortless
and accurate setting

X-ray generator:

Compact X-ray generator (up to 80 kW
output power) available in three power
versions: line powered / battery powered /
capacitor assisted

Collimator:

- Automatic Collimator
- Linear laser beam for patient positioning
in combination with light field indicator
- Rails for accessories
- Measuring tape

DDR MAK-2000 Digital Radiography System

DDR MAK-2000 is an integrated system for all Digital radiographic applications in combination with a high Frequency Generator, Radiographic floating top Table, and Wall Bucky.

The system has been designed focusing on flexibility and friendly use. It can also be configured depending on your exact clinical requirements including: chest, spine, complete skeletal, abdominal and urological studies



Advantages of the Digital Flat Panel Detector

The DDR MAK-2000 digital flat panel detector provides advanced technology to capture radiographic images in a digital format almost instantly. The nearly 17 x 17 inch imaging area allows for the capture of chest and abdominal images without having to rotate the detector unit.

Benefits

- Capture and preview digital images in seconds
- Consistent image quality to reduce retakes
- No film development or imaging plates
- High resolution image with minimal X-ray dosage
- Increased dynamic range in viewing X-rays



The DDR MAK-2000

- Four ways Floating Table including AEC Chamber
- Floor mounted Tube stand
- Wall Bucky stand including AEC Chamber
- Automatic Collimator with Laser
- H.T. Cables 12 m
- High frequency X-Ray Generator

BASIC SYSTEM:

Radiographic Table MAK -2000

The Fixed table MAK -2000 has a high precision bearing system that guaranties a smooth and parallel four-ways movement of the table top. The ergonomic design makes it user-friendly for both patient and operator, and it is combined with a strong and solid structure.

- Four ways floating table top bucky table with electromagnetic brakes.
- Tabletop dimensions: Length 220 cm x Height 80 cm
- Tabletop Weight capacity: 200 kg -Tabletop Height from floor: 75 cm
- Table top travels:
 - Longitudinal travel: 110 cm.
 - Transversal travel: 24cm.

Control Panel

- Moving Handles coated with synthetic rubber
- Control of the Brakes by push buttons
- Goniometric for X-Ray beam incidence indicator



FLOOR MOUNTED TUBE STAND MAK -2000 :

Linear Movements

- Total Column Height: 223,5 cm
- Longitudinal Rails Travel: 201 cm
- Tube Arm Vertical Travel: 162 cm
- Tube Arm Transversal Travel: 30 cm
- Focal distance to floor: 40.202 cm
- Automatic stops at SID: 180 cm and 100 cm
- Balancing System with counterweights
- Electromagnetic brakes

Rotational Movements

- Tube Arm Rotation Vertical Axis: ± 90 .
- Tube Arm Rotation Horizontal Axis: ± 180 .
- X-Ray tube rotation: ± 150 .
- Mechanical Detent every 90.

