



DIGITAL RADIOGRAPHIC UNIT

PROGRAPH



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PROGRAPH DIGITAL X-RAY MACHINE

ProGraph universal X-ray machines are designed for all kinds of radiographic examinations required in outpatient care, as well as most multi-specialty and specialized hospitals.

ProGraph machines replace the table and X-ray stand, providing an excellent alternative for X-ray diagnostic systems with two workstations. The machines are powered by the latest achievements in X-ray technologies and intended for a wide range of digital X-ray examinations using the minimal effective dose.

Modern digital flat panel detectors obtain full-field high-resolution images with minimum distortion.

Modern high frequency X-ray generators improve voltage and current management and reduce pulsation.

The use of anatomically programmed radiography makes it easier for physicians to determine the required imaging parameters.

STANDARD SET INCLUDES

- technician workplace with a graphical monitor
- radiologist workplace with a monochrome medical and graphical monitors
- medical printer for image printing
- office printer for report printing
- digital archive on discs with increased failure protection and sufficient capacity for long-term image storage
- radiolucent mobile table
- ProGraph software for image managing, processing and archiving

ProGraph software meets DICOM 3.0 International Protocol requirements and can be integrated in any modern medical information system. The software provides virtually unlimited opportunities for processing images using special filters. Thanks to its development in close cooperation with radiologists, it also contains all necessary templates for reports and conclusions.



PROGRAPH-7000

Easy operation, high image quality and a modern ergonomic design make **ProGraph-7000** the perfect device for general radiography offices.

A radiolucent mobile table with a carbon fiber floating tabletop simplifies X-ray examinations for recumbent patients.



All movements of the multi-position tube are fully motorized and controlled by software and a wireless remote control.

The FPD – X-ray tube system, which is located on a movable rotary traverse, has a variable focal distance and moves vertically along the stand. The rotation of the tube makes positioning at the required height and angles according to the imaging parameters easier.

PROGRAPH-5000

ProGraph-5000 is an affordable and reliable device with all the necessary quality parameters. The traverse moves vertically and rotates on a vertical plane.

The machine can be used for chest X-ray examination while standing, and recumbent patients can be examined using the radiolucent mobile table.



Radiologist workplace with a monochrome medical and graphical monitors



Radiolucent mobile table

	ProGraph-5000	ProGraph-7000
X-ray stand		
Rotation range of the gantry with detector and X-ray tube	-135° to +30°	-135° to +30°
Rotation range of the swivel arm with flat panel detector		-45° to +45°
Focal length	fixed 1200/1500 mm	range 1000–1800 mm
Digital flat panel detector		
Format	430 × 430 mm (17 × 17")	430 × 430 mm (17 × 17")
Spatial resolution	4,0 line pairs/mm	4,0 line pairs/mm
The size of a FPD matrix	3328 × 3328 pixels	3328 × 3328 pixels
X-ray tube		
X-ray tube with rotating anode, rotation speed	3 000 rpm	10 000 rpm
Size of focal spot	0,6/ 1,2 mm	0,6/ 1,2 mm
Nominal anode input power	20/50 kW	43/100 kW
High-frequency X-ray power supply device		
Capacity	40 kW	100 kW
Anode current range (100 kV)	10–400 mA	10–1000 mA
Voltage range	40–125 kV	40–125 kV
Manual control of exposition	yes	yes
Anatomically programmed radiography	yes	yes
Mobile table	yes	yes
Workstation of radiologist	yes	yes

The manufacturer reserves the right to make changes in complete, technical parameters and design of the equipment.

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