



UNIVERSAL X-RAY MACHINE

GRAPHIX-D



ALTERNATIVE TO THE SYSTEM THAT INCLUDES X-RAY TABLE WITH SEPARATE X-RAY STAND — WIDE RANGE OF MOVEMENTS FOR A LARGE SELECTION OF X-RAY POSITIONING

The universal digital X-ray machine

Graphix-D is intended to perform all types of X-ray imaging examinations.

The hardware-and-software system has technician workstation and radiologist workstation and is equipped with a digital medical X-ray image printing device. It is used for digital X-ray imaging, subsequent mathematical analysis and saving of resulting images, as well as for obtaining hard copies using a dedicated device.

The Graphix-D machine replaces the bucky table and the vertical wall stand, being an alternative to the two-unit X-ray system with no linear tomography function.

Due to the low radiation dose, compact design, and multi-functionality, the Graphix-D machine is valuable for various types of health centers, including traumatology units, intensive care units, pediatric health facilities, and private health centers.

EASE OF OPERATION MAKES IT ENERGY — AND TIME-SAVING

Motorized movements of the stand are controlled by a touch screen console located on the X-ray generator. Besides, stand movements can also be controlled with the button consoles: the remote control unit and the control console located on the image reception unit; the gantry automatically moves to the horizontal or vertical position after respective buttons are pressed.

All motorized movements can be controlled manually to allow rapid changes in the position of the swivel gantry and the digital detector and focal length changes, as well as more accurate positioning.

Unique mechanics:
motorized movements
that can be controlled
manually



HIGH IMAGE QUALITY

The stand is equipped with a stationary device for digital conversion of X-rays based on a flat panel (digital flat panel detector) with dimensions 43×43 cm and a spatial resolution of up to 4 line pairs/mm.

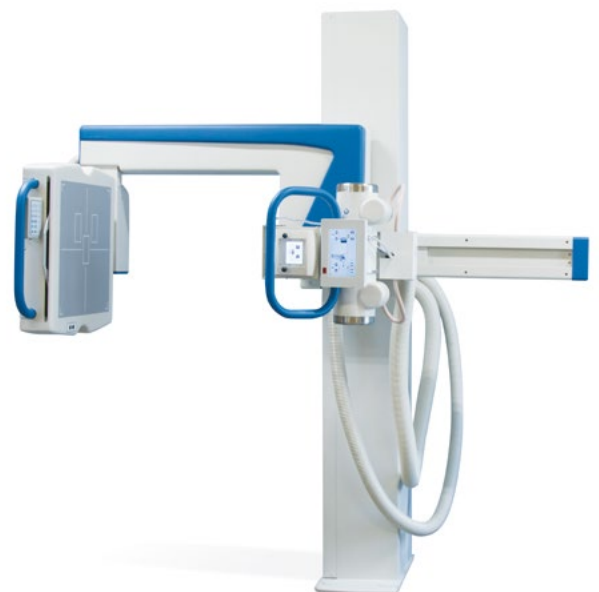
The X-ray machine is supplied with an anti-scatter grid designed for work with the flat panel detector and ensuring high-quality imaging at any focal length in the range of 1000 to 2000 mm.



MULTI-FUNCTIONALITY AND COMPACT DESIGN

Easy movement of the X-ray tube and FPD holder facilitates imaging at any angles to the patient's body, including the lateral position.

The design of the stand significantly extends the patient positioning opportunities and turns a comparatively small room into a multi-purpose digital radiography unit. The Graphix-D machine is suitable for all types of X-ray imaging used in general diagnostics and traumatology units, whether the patient is standing, sitting, or lying on a mobile table.



X-ray stand

Rotation range of the gantry with detector and X-ray tube	- 120° to + 30°
Focal length range	1000–2000 mm
Rotation range of the swivel arm with X-ray tube	± 90°
Rotation range of the swivel arm with FPD	± 40°

Digital flat panel detector

Format	43 × 43 cm (17 × 17")
Spatial resolution	up to 4 line pairs/mm

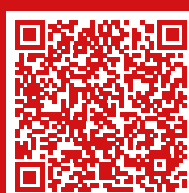
High-frequency X-ray power supply device

Output power	50 kW or 65 kW (100 kV 500/630 mA)
Voltage range	40–150 kV
Manual control of exposition	yes
Anatomically programmed radiography	yes
Creation of personal programmes	yes

X-ray generator with a state-of-the-art double-focus type X-ray tube

Effective focal spot size	small spot — 0.6 mm, large spot — 1.2 mm
Anode rotation speed	3000 or 9000 rpm

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

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