



REMOTE CONTROL X-RAY DIAGNOSTIC SYSTEM

TELEMEDIX-R-AMICO



WIDE RANGE OF IMAGING MODALITIES — HIGH WORKFLOW OF THE RADIOLOGY UNIT

The remote control X-ray diagnostic system **TELEMEDIX-R-AMICO** — is a multifunctional apparatus combining the potential of all three X-ray units in one.

Enables complex radioscopic and radiographic examinations

Factors contributing to the high workflow of the radiology unit:

— digital format:

all imaging is performed in digital format due to the use of a flat panel detector working in fluoroscopy, radiography, and tomography modes;

— wide range of examinations:

the machine allows to perform routine investigations with minimal effective doses;

— remote control:

remote control is used to reduce radiation exposure for physicians and increase the service time of the equipment.

EASY POSITIONING AND INDIVIDUAL APPROACH

The use of anatomically programmed radiography helps the physician to accelerate examinations. One touch of a button is enough regardless of patient body size.

Creation of personal programs is possible, as well as a manual control of the exposition.

The adjustable height of the remote-controlled tilting table above the floor level makes

examinations comfortable and convenient for low-mobility patients.

Adjustment of the table turn during assembly is enabled, thus allowing installation in unusually shaped rooms.





EXPANDED DIAGNOSTIC OPPORTUNITIES

The wide choice of tomography parameters (9 angles, 8 speeds, and adjustable focal length during tomography) supports various types of imaging depending on individual clinical diagnostic goals, thus enhancing the quality of obtained images by decreasing geometric distortion for any dimensions of the examined object.

FULL-FIELD DETECTOR FOR ANY EXAMINATIONS AND HIGH IMAGE QUALITY

The digital flat panel detector with a working field measuring 43×43 cm guarantees excellent image quality in all modes: fluoroscopy, pulsed fluoroscopy, radiography and tomography, thus enabling the whole range of examinations with the use of the same machine.



Dynamic flat-panel detector

The detector has a working field measuring	43 × 43 cm (17 × 17")
Spatial resolution	up to 4 line pairs/mm
Number of images in radioscopy mode	up to 30 images per second
Working mode of the detector	digital fluoroscopy digital pulsed fluoroscopy digital radiography digital tomography

High-frequency X-ray power supply device

Output power	65 kW (100 kV 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	9000 rpm
Rotation range of the X-ray emitter	± 180°

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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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