X-RAY DIAGNOSTIC R/F SYSTEMS

MEDIX-R-AMICO

TELEMEDIX-R-AMICO

PROGRAPH
A stationary X-ray diagnostic system MEDIX-R-AMICO is designed for all types of research carried out in general radiology:

- X-ray examination;
- X-ray imaging;
- linear tomography.

 Scope application: X-ray imaging (radiography) and X-ray examination.

BIO Scope X-ray fluoroscopy table is designed with due account to present-day engineering achievements and provides increased security measures. Each time the device is switched on complete system diagnostics is carried out built into the table digital control. The table can be rotated from a vertical position +90° to −15° with an automatic stop in a horizontal position. It is possible to carry out examinations across the whole range of inclination angles, and the selected angle is displayed on the touch screen display of the spotfilm device. Motorized movement of the table top in four directions ensures convenient patient positioning on the table.

The BIO Scope X-ray fluoroscopy table is equipped with an electronic spotfilm device with the functions of format control, a panel for table and deck movements control, a choice of a program for dividing the cassette when taking a picture with a frame counter. Fast and precise positioning of the cassette allows to quickly switch from X-ray examination to X-ray imaging.

The BIO Scope X-ray fluoroscopy table can be equipped with an X-ray image amplifier an X-ray image-converter tube with the size up to 12".
Depending on the tasks solved by a medical institution, we offer a range of MEDIX-R-AMICO systems for 3 working places, 2 working places and 1 working place. When ordering MEDIX-R-AMICO you are not limited in choosing the emitter type, the X-ray image registration method and the patients positioning type. This system configuration provides a possibility to create an effective X-ray room, corresponding to the needs and capabilities of each individual hospital.

AMIGRAPH — a Set of Support Devices for Radiography and Tomography
Scope of application: X-ray imaging with the ability to perform direct and oblique images of the patient in prone position, standing and in lateroposition, linear tomography. The bucky system allows to take pictures of the chest without a grid, which is important in pediatrics.

AMIGRAPH set of support devices for radiography and tomography is the undisputed leader in terms of sales. It is distinguished for simple, reliable, time-proven mechanics, a unique set of tomography angles — in the range between 5° and 45° in increments of 5°, large ranges of different rotations and displacements, allowing to carry out the patients’ examinations easily and conveniently.

The MEDIX-R-AMICO system can be optionally equipped with a tomographic table with an electromechanical elevator that is required for equipment operation in children’s hospitals and trauma departments of hospitals and clinics, as well as with an bucky system with a rotating cassette holder (+90°), which allows the examination of the upper extremities in special projections.

AMETHYST X-ray Image Amplifier
The scope AMETHYST is X-ray examination and radioscopy (gastrointestinal, gynecological, urological and other studies using contrast agents, angiography).

AMETHYST based on 9" or 13" bulb, has three working fields, which allows to increase the image in the area the doctor wants to see. The camera is equipped with a CCD matrix, 1024 x 1024 resolution.

AMETHYST is distinguished for digital signal processing with a highly efficient noise reduction system that provides high quality images, of both stationary and moving objects, and the ability to memorize 14 frames. Comes with a 19" high-resolution TFT-screen on a mobile rack.

AMETHYST can be made with an X-ray image-converter tube up to 9" or 13".

TOP-X Generator
The systems are equipped with TOP-X 850HF 65 kW high-frequency power supply. A set of 1500 automatic programs scans speed up the examination. You can create personalized programs for specific requirements of a medical practitioner, as well as control the exposure manually.

On request we can also fit the generator with a high-speed starter, that will increase speed of the tube anode up to 9000 rev/min and provide an increased (up to 2 times) load on the bulb.

All diagnostic X-ray facilities X-ray emitters are fitted with a built-in thermostat to avoid overheating and with state-of-the-art X-ray tubes, having the anode speed of either 3000 rev/min or 9000 rev/min.
TELEMEDIX-R-AMICO Remote Controlled X-ray Diagnostic R/F System

This unit with an X-ray emitter located above the R/F system, and the spot film device located under the table top is capable of performing complex radiographic and fluoroscopic examinations of the gastrointestinal tract, skull, skeleton, urography, myelography, linear tomography, all kinds of radiography, including chest X-ray.

The ease of use is ensured by free access to the patient from both sides.

Several distinctive features of the remote-controlled R/F system, such as rotation of the emitter in the range of ± 180°, rotation of the diaphragm to reduce the irradiation zone when taking oblique pictures, a wide choice of tomography options (5 tomography angles and 7 speeds) are distinct advantages of the system in diagnostic terms.

The optimum height of the support table above the floor level, additional tools for fixation (shoulder rests, feet rests and a compression belt) make examination comfortable for the patient.

TELEMEDIX-R-AMICO systems are equipped with a TOP-X HF power supply and an AMETHYST image intensifier of the second standard with a CCD 1024 x 1024 matrix, which allows to receive high-quality images in any examination conditions and results in lower radiation exposure for the patient and the doctor.

TELEMEDIX-R-AMICO can be equipped with an X-ray image luminance amplifier having an X-ray image-converter tube with the size of up to 12".

When equipping clinics with X-ray general-purpose devices, systems based on remote control support units are becoming an increasingly more effective solution. Such devices gather the capacities of three working places in one table, and allow to perform all kinds of X-ray examinations carried out in general radiology and necessary for outpatient or inpatient conditions in a hospital of any level while occupying very limited space.
TELEMEDIX-R
Remote Controlled
X-ray Diagnostic
R/F System

TELEMEDIX-R-AMICO is notable for speed, precision, a wide range of movements that allows the physician to fully concentrate on work with the patient and the diagnosis.

For your convenience, we recommend to equip our MEDIX-R-AMICO and TELEMEDIX-R-AMICO X-ray diagnostic systems with special devices for receiving and processing X-ray images.

The control panel located on the spotfilm device allows you to control all movements of the device being in close proximity to the patient. TELEMEDIX-R has a large radiolucent area of the table top that allows you not to move the patient on the table during the examination.
Optiscan-Amico System for Digital X-ray Imaging Based on Photostimulated Plates

Optiscan-Amico is a system for digital X-ray imaging based on photostimulated screens, allowing for the transition to digital technologies, optimizing the workflow, delivering high-quality digital images with a high resolution from any general-purpose X-ray machine, and providing excellent opportunities for diagnosis.

The system allows for the receipt of digital X-ray images by scanning photostimulated screens, digital processing, and storage of received images. You can integrate the system to both newly purchased equipment and existing equipment.

Digital X-ray Imaging with Digital Flat Panel Detectors

Digital flat-panel detectors can receive digital images on a qualitatively new diagnostic level. X-ray systems based on stationary flat detectors combine the best qualities of direct digital radiography — the speed and performance, image quality control, and the possibility of its further processing. They are designed for conducting examinations in digital format only. If it is necessary to use the existing equipment or to combine traditional film-type and state-of-the-art digital technology, a system based on a digital flat-panel detector in the form of a cassette that is easily installed in the table cassette holder or a vertical bucky of any X-ray machine will be the best solution.

Accord Workstation Digital Processing, Visualization and Archiving of Medical Images

Accord Amico is a hardware and software system for digital processing, visualization, and archiving of medical images. Accord software system operates in accordance with DICOM 3.0 international medical standard and provides for the following:

- obtaining digital X-ray images from various equipment, and their visualization;
- support of the patients' database with keeping an electronic log of X-ray examinations;
- mathematical treatment of digital X-ray images, making text and graphical annotations and captions on X-ray images, as well as on individual frames of the scopy;
- backup, transfer to a computer network, and making hard copies using the appropriate printer.

On request a special compact thermal printer can be included with ARM for fast display of images with the ability to print on a transparent blue film.

Delivery of several special-purpose workstations, as well as their integration into a single information network is possible.

If you prefer the traditional method of obtaining X-ray images, the automatic developing machine Optimax-Amico will provide high-quality photo processing of medical X-ray film of any type.
ProGraph

Digital X-Ray Imaging

ProGraph is a universal digital radiographic device that allows all types of X-ray examinations. ProGraph replaces the table and the images rack and is a worthy alternative to an X-ray radiography system. The unit allows you to examine patients standing, sitting and lying on a trolley. Images can be obtained at any position by adjusting the camera angle.

The unit is able to conduct examinations in more than 100 standard projections. The device allows to obtain high-quality digital X-rays, starting from the fingers and toes and ending with straight and lateral radiographs of the lumbosacral spine.

Energy efficient and compact

All the products presented in this brochure is certified up to the GOST R system.