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AMICO
x-ray technologies

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More than 20 years NP JSC “AMICO” offers high quality radiological equipment for hospitals. Factories located in the nearest suburb of Moscow manufacture up-to-date X-ray equipment conforming all standards.

JSC “ROENTGENPROM” is the biggest Russian manufacturer of mass screening equipment. Chest survey units and mammography machines manufactured at production sites in the cities of Protvino and Rumyantsevo can be met in all regions of Russia, and in 25 other counties, as well.

The special attention can be devoted to the mobile diagnostic rooms which allow doctors to reach the farthest earth nooks.

JSC “Aprelevka X-ray factory” (AZRT) supplies conventional systems for wide range of X-ray examinations.

“Roentgen-Complete” Ltd manufactures special equipment for surgery and dental purposes, as well as the widest range of protective goods: from X-ray protective apparel to MRI shielding rooms.

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X-RAY DIAGNOSTIC EQUIPMENT

Depending on goals which a hospital solves we offer it X-ray stationary systems for 1, 2 or 3 working stations, as well as remote controlled systems and units for special aims.











TELEMEDIX-R

The system Telemedix-R based on remote controlled table allows carrying out all types of X-ray examinations – radiography, fluoroscopy – i. e. gastrointestinal tract examination, urography, myelography, linea tomography, radiography of thoracic cage, skull and skeleton.

Some particular features of the system, such as X-ray tube rotation in range ± 180°, collimator rotation for exposure zone reduction during oblique projection, possibility of wide range of tomo parameters (5 angles and 5 speeds), show the definite advantages of the system in terms of diagnostics.

Table configuration includes adjustable table top height (lift), special fixators (shoulder holders, foot board) which make examinations comfortable for a patient.

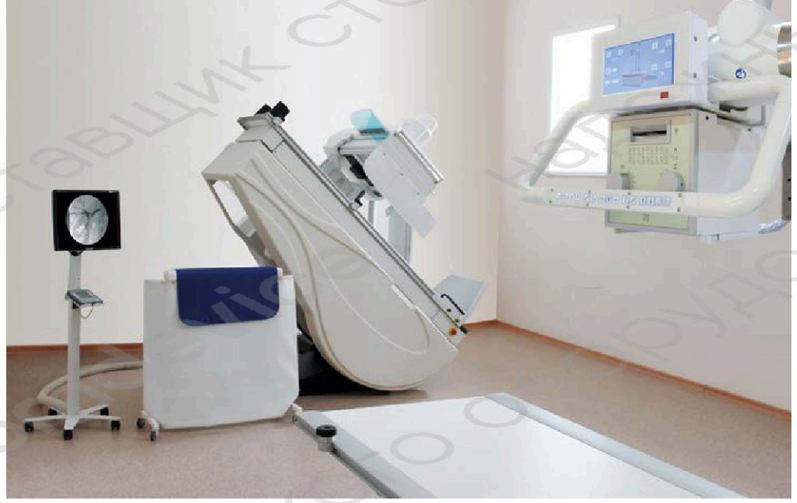
There is a possibility to change the table orientation during installation that allows to place the system in off standard spaces.

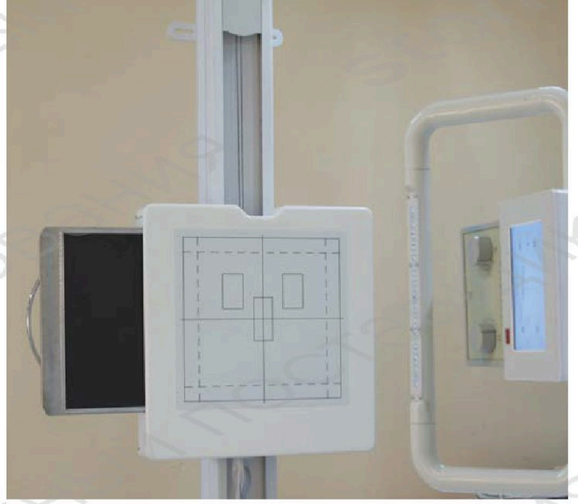
Telemedix-R system varies from top level unit equipped with dynamic flat panel detector to standard machine working with analogue film cassettes.

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MEDIX

Medix is a routine diagnostic unit made at the most modern level of radiology.

The wide range of machine combinations allows to choose Medix-Rd, the top-class unit with digital detectors in the table and in the vertical stand, or budget-oriented Medix-R with using film cassettes. Such variety of choice helps to equip an X-ray room in accordance with needs and possibilities of every hospital.

The attractive feature of Medix line can become its upgrading potentiality. Buying the most low-cost analogue machine you will have the opportunity of its further completion with digital radiography system or wireless flat panel detector.

You will surely receive the up-dated software programs for images viewing and processing when you make a step from analogue system to the digital one.

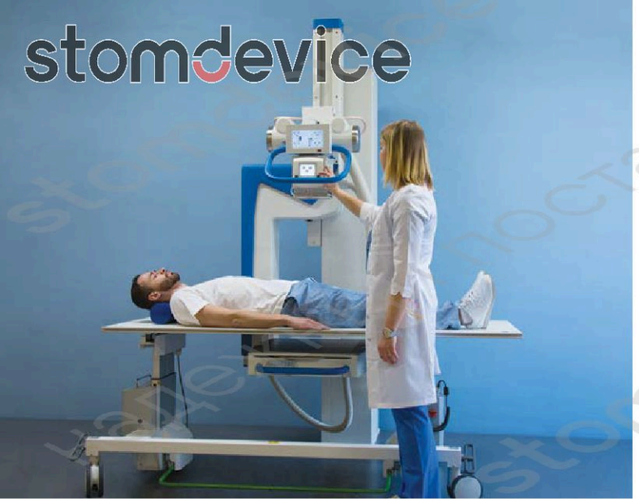








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RADIOGRAPHIC UNITS

GRAPHIX-D

Graphix-D is a modern radiographic unit which follows all up-to-date requirements of ergonomics and design. Equipped with digital flat panel detector it permits to obtain images with high resolution and excellent contrast.

Motorized movements are conducted by control panel located on the X-ray emitter. Besides, the unit movements can be operated, as well, from a remote control panel or buttons console at image receiver. Control panels also operate the function of traverse movements in horizontal and vertical directions.

To make traverse and detector movements faster all steps can be made manually.



PROGRAPH

ProGraph is a general purposed unit highly appreciated by customers for its simplicity and effectiveness.

The equipment is aimed for digital radiography of a patient in sitting, standing or lying position on a trolley with X-ray transparent table top.

Budget-friendly image cost allows to use ProGraph-5000 for mass chest screening investigations.

Compact sized unit ProGraph can be installed in mobile clinics and rooms of various usage, the unit can be in different combinations.



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IMAGING AND IMAGE PROCESSING SYSTEMS

ACCORD

To make a step to modern digital technologies we offer a number of ways but the general basis for them will always be our program “Accord” which allows working with digital images as well as procuring connection within digital detectors network.

Software system “Accord” operates in accordance with DICOM 3.0 international medical standard. The new updated user’s interface is created according to a patient examination procedure to make doctors’ work easier.

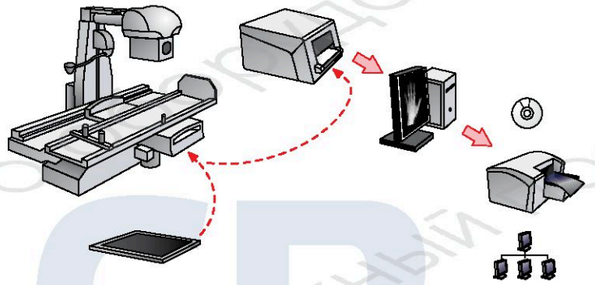
System “Accord” provides:

- patients database support and radiological examinations registering, displaying and clustering of examinations in classes, status, priority, fast search of patients data;
- support of “International Disease Classification rev. 10” for informing on a patient’s diagnosis, and “Medical Help Standards” for registering of fulfilled examinations;
- fast loading of new data, information on a patient’s state changes and examinations results;
- viewing of digital X-ray image simultaneously displayed in up to 16 images;
- mathematical image processing, making text and graphical annotations and captions on X-ray images;
- issuing and printing of examination reports;
- hard copy printing of X-ray images and separate video shots with 64 pictures/page in DICOM printer in mode “PrintScreen”;
- simultaneous work of some “Accord” users joined in one computer network.

OPTISCAN

Our digital radiographic system OptiScan based on intensifying screens using can be applied with equipment of all leading manufacturers of digitizers and medical printers: AGFA, Carestream, Fuji, SONY.

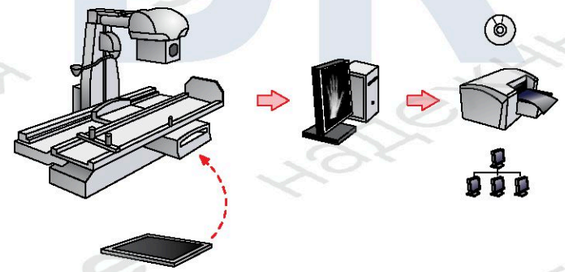
We always help to choose a system which meets the requirements of your hospital and we customize our software program to conform your hospital information system.



FLAT PANEL DETECTOR

Flat panel detectors are the most innovative decision in radiology.

Depending on the chosen tasks we use various types of flat panel detectors in radiography: mobile (wireless or cabled) and stationary. In fluoroscopic examinations the dynamic flat panel detectors are applied.





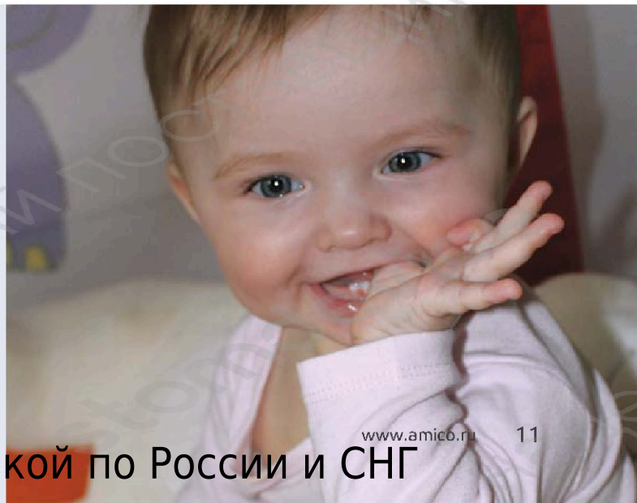
ADDITIONAL EQUIPMENT

BUCKY STAND

Any unit of the line “Telemedix-D” and “Medix” can be additionally equipped with a bucky stand bearing radiographic camera “APCF-01-AMICO” which allows to get digital images of a patient’s chest. Applying this type of stand avoids necessity to have additional chest survey room in a hospital.

CHILDREN CARE

We offer various children caring devices to apply in the X-ray room: infant and baby’s support, protective shields, etc.



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CHEST SURVEY UNITS

Models line of our chest survey units is the widest among similar manufacturers.

Taking into consideration hospitals requirements we have developed a wide range of digital units: scanning chest survey units and the units based on CCD matrix, open type machines and the ones equipped with X-ray protective cabins.



Scanning chest survey unit “ProScan”



Chest survey unit based on CCD matrix “ProGraph”



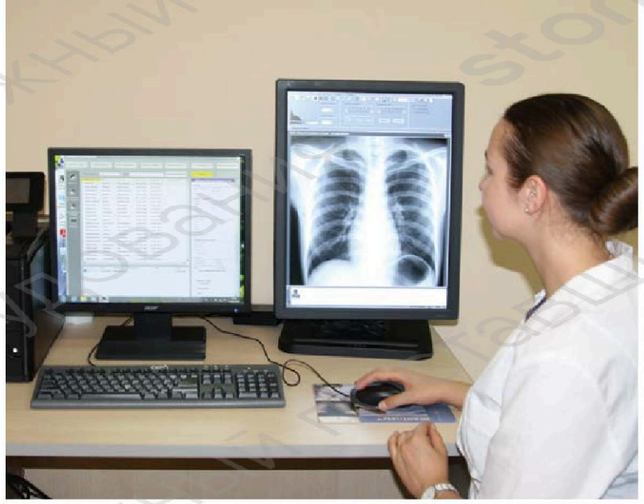
Chest survey unit based on CCD matrix “ProMatrix”



Two-supports chest survey unit based on CCD matrix “FluoroProGraph”



“ProGraph” of transportable type





SOFTWARE

The modern digital chest survey unit is not a unit for chest screening only. Developed by our specialists software “ProScan” allows to obtain additional diagnostic data thanks to specific software means.

FUNCTION OF OSTEOPOROSIS SCREENING-TEST

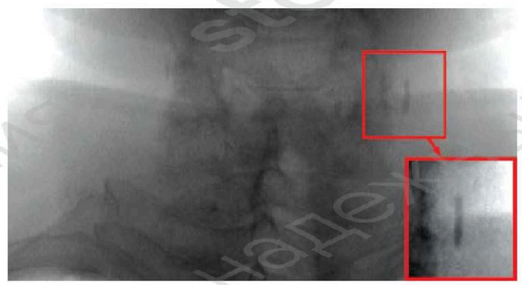
Disclosure of risk group on osteoporosis and bones fracture is particularly important for elderly aged people. The most troublesome fractures are compression osteoporosis ones in lumbar spine and a subcapital fracture.

Thanks to our program the patients workflow can be examined additionally with the help of dual energy X-ray osteodensitometry. As a result patients will get the opportunity of appropriate treatment and disease dynamic study.

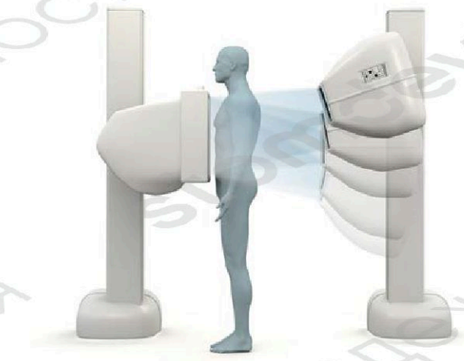
FUNCTION OF DIAGNOSTICS ON ATHEROCALCINOSIS IN ARTERIA CAROTIS

This function will allow to conduct preventive means against cerebral stroke in brains mostly (80%) provoked by vascular atherosclerosis.

Disclosure of calcium density shades in arteria carotis projection is eased thanks to peculiarities of our diagnostic system.



TOMOSYNTHESIS FUNCTION



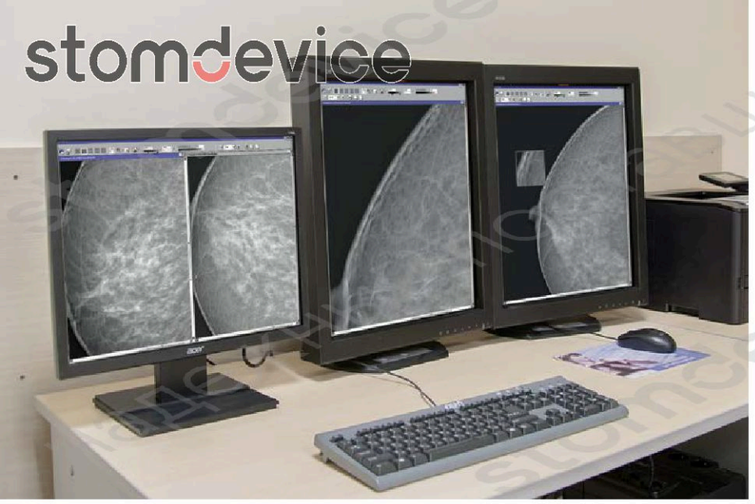
The two-supports version FluoroProGraph has got a function of tomosynthesis which enables the unit to obtain images comparable to those done by CT. Tomosynthesis affords an opportunity of detailed layer-by-layer investigation of patients chest.

FUNCTION OF CARDIOTHORACIC RATIO CALCULATION

Software “ProScan” can automatically calculate cardiothoracic ratio (CTR).

Disclosure of megalocardia is done automatically (excluding doctor’s participation) during analysis of digital images. It permits to form a group of heart disease risk. A doctor can correct measurements manually during image viewing.

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MAMMOGRAPHY UNITS

MAMMO-RP AND MAMMO-RPd

Mammography units Mammo-RP and Mammo-RPd are the universal machines for women breast routine examinations. Modern design and compact dimensions distinguish both units.





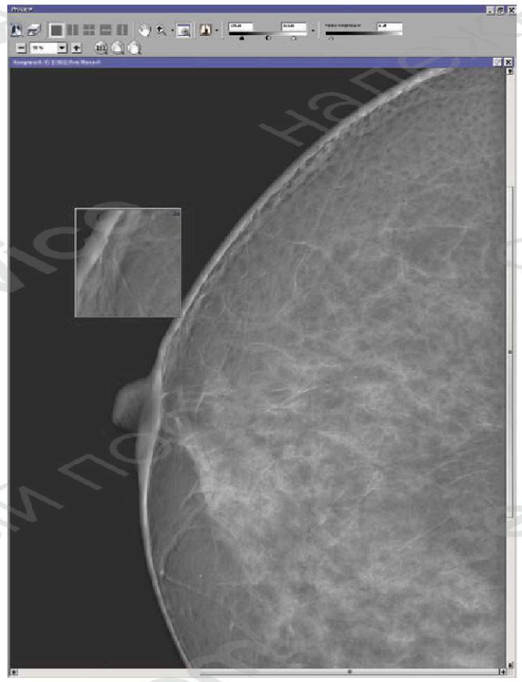
MAMMO-RPd

Mammo-RPd is a digital scanning mammography unit with ability of high quality image and minimum exposure doze. Our machine allows to reduce exposure doze of a patient more than 50% comparing to the conventional mammography units. It became possible thanks to usage of innovative technology for detector block. It has high detector efficiency (DQE) and minimum low noise of electronics. Structured CsI is used as a converter of gamma-quantum into light photon. Using of such type re-radiator provides high efficiency registration and excellent spacial resolution.

A doctor can examine and evaluate the images in compliance with BiRADs system classification.

MAMMO-RP

Conventional mammography unit Mammo-RP is reliable in use, provides high quality image and comfort for a patient. PC console allows to display and control the main parameters in different unit modes.



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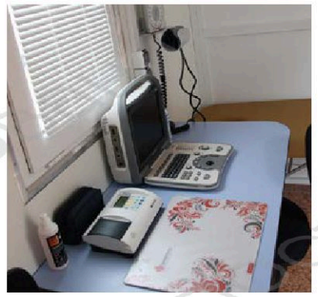
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MOBILE CLINICS AND MOBILE ROOMS

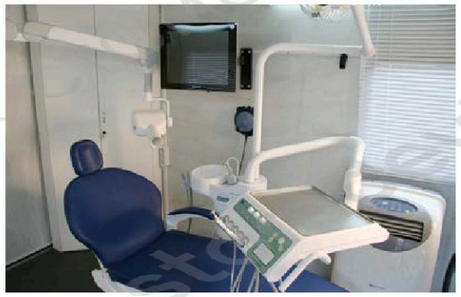
More than 15 years “Roentgenprom” JSC has been manufacturing mobile diagnostic rooms of various types. We offer wide range of this decision: from a compact mobile chest screening room based on urban chassis to a completely equipped mobile clinic.

Mobile clinic, which is a diagnostic mobile complex, let it possible to fulfill medical examinations on high class equipment in any region.



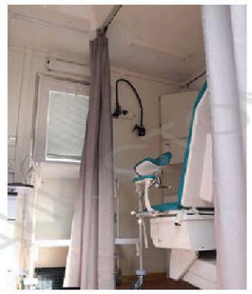




















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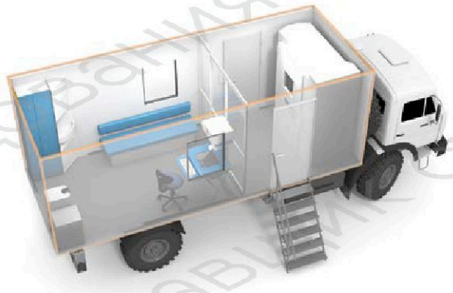
MOBILE DIAGNOSTIC ROOMS



Radiographic



Mammographic



Chest screening



Dental







MRI

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X-RAY SURGERY UNITS

Developed on the basis of Image Intensifier of 2 standard (CCD matrix 1024 x 1024) X-ray surgery mobile C-arm unit ARHP-AMICO provides wide diagnostic opportunities in abdominal and orthopedic surgery, in traumatology, endoscopy, urology.



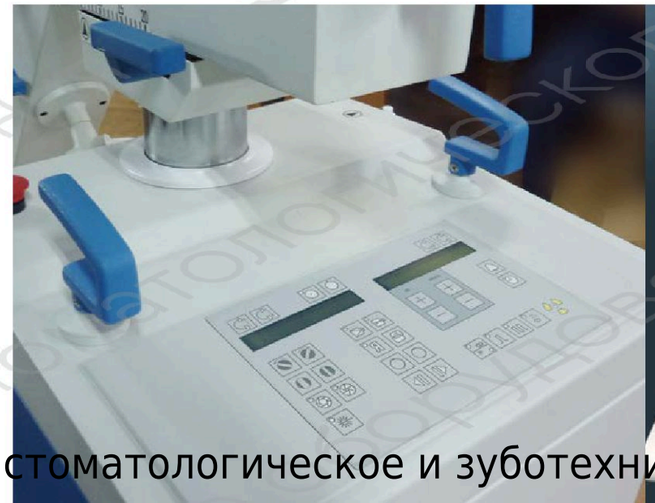


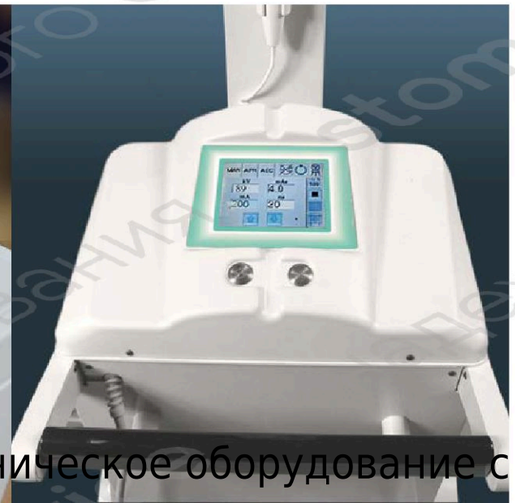
MOBILE X-RAY UNITS

Conventional radiographic unit which is easy in control and movement allows to take an image in any place of a hospital including a surgery room.



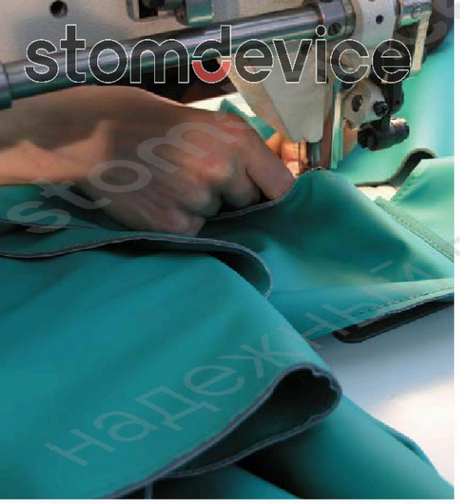








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X-RAY PROTECTION

X-RAY PROTECTIVE APPAREL

Apparel is produced in accordance with technology developed by us and is covered with waterproof fabric of requested color. All the models are equipped with easy-to-use fasteners of sticker and clasp types which help to adjust the unit size from 46 to 56.

Special X-ray protective models with age-related changes are available for pediatric practice.

X-RAY PROTECTIVE SCREENS

We offer screens to protect doctors and patients.
They can be 1, 2 or 3-folded screens.

CONSTRUCTION PARTS FOR X-RAY DIAGNOSTIC ROOMS

X-ray protective doors

X-ray protective windows

X-ray protective jalousie

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NP JSC AMICO
2-oy Kozhukhovsky proezd, 29, bld. 5,
Moscow, Russia, 115432

tel.: +7 495 742-41-60, fax: +7 495 742-94-14
e-mail: export@amico.ru
www.amico.ru/en

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