

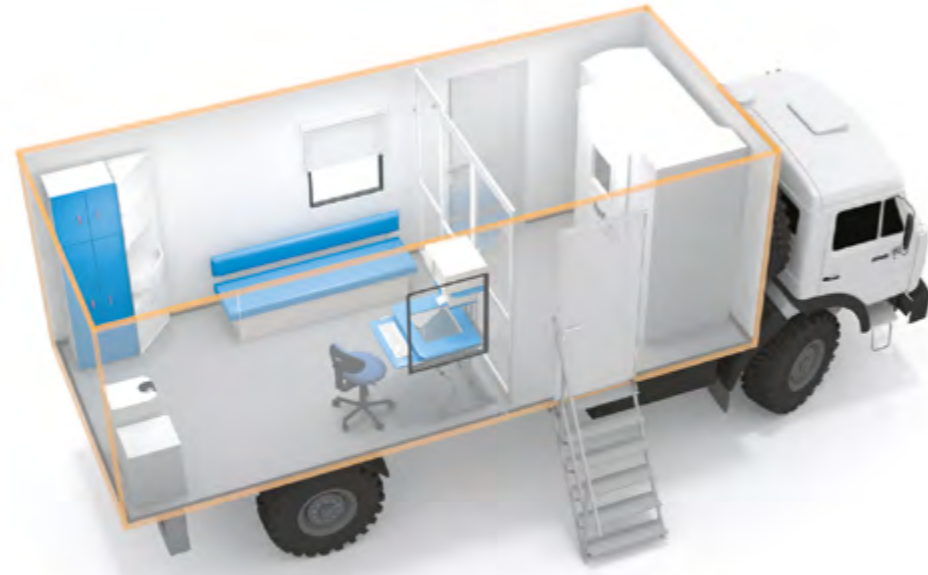


MEDICAL TRUCK-BASED CABINETS

MOBILE CHEST SCREENING TRUCK

The mobile X-ray cabinet with digital chest screening system

is located in a van which is functionally divided by semi-transparent polycarbonate sliding partition into two parts: the examination room and the medical staff room.



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ProScan unit

The examination room contains **ProScan** or **ProMatrix** digital system (use of the units featuring an X-ray protective cabin is a matter of particular importance since the radiologist and technician stay in close proximity to the equipment throughout the whole operating session). The patients enter the room through one door and leave it through another one. This increases the system throughput capacity dramatically. Up to three persons can change their clothes in the examination room simultaneously. A hot air curtain is installed above each door to use the room in cold seasons.

The equipment is conveniently located in the front part of the room, so that the patients (some of whom are ill) enter the room directly from outside, do not walk past the radiologist and the technician and do not contact them directly. The X-ray technician's workstation is located directly in the mobile room van, while the radiologist's workstation – in a hospital or clinic. Upon completion of all the planned examinations in the pre-clinical setting the technician hands over the removable hard drive containing the patients' images to the radiologist who stays in a hospital or clinic.

MOBILE DIGITAL MAMMOGRAPHY TRUCK

The mobile mammography cabinet with digital mammography unit

enables carrying out examinations in any localities using the expert class equipment. The room is equipped with the state-of-the-art **Mammo-RPd** digital mammography unit which is an optimal mammography system both for screening and for diagnostic examinations.



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Mammo-RPd unit

The van is characterized by perfect thermal- and noise-insulating properties. An autonomous diesel accelerated heating system allows for a quick work initiation (it takes only 30 minutes to heat the room and the equipment) even at -40°C .

A patient makes it into the examination room through the entrance door. The room houses **Mammo-RPd** digital mammography unit (featuring at least 10 line pairs/mm), an X-ray protective shield with lead glass window and a clothes rail.

A hot air curtain is installed above the door to use the room in cold seasons.

There is a self-contained liquid heating system for additional heating, which enables warming up the van while the complex is on the move, thus saving time for its deployment.

The complex is also equipped with a sanitary room with a washbasin and a chemical toilet.



MOBILE DIGITAL RADIOGRAPHY TRUCK

The mobile digital X-ray cabinet enables conducting all kinds of radiographic examinations. The examination area of the room features **ProGraph** series radiographic digital unit.



read more about



ProGraph unit

A radiotransparent wheeled table is provided for examination of bed-bound patients. The rear door is equipped with a lift for disabled people. The room can be equipped with a sanitary and a dressing room. The examination room is X-ray protected from the adjacent rooms.

The radiologist's workstation is installed in a clinic. Upon completion of all the planned radiographic examinations in the pre-clinical setting, the technician hands over the removable hard drive containing the patients' images to the radiologist who is located in the a clinic, for detailed analysis and description of the images.

MAGNETIC RESONANCE IMAGING TRUCK

The mobile magnetic resonance imaging cabinet with the **MRI-AMICO300** or **MRI-AMICO450** open type MRI machine is designed for the patient examination outside of the medical facility. It can be positioned in any suitable place with minimum time and effort for site preparation.



The mobile magnetic resonance imaging cabinet is characterized by an ideal price/quality ratio. The room is already assembled; it takes only 5 days to prepare it for operation.

If necessary, you can also move the room to a new site or to another locality.



DIAGNOSTIC COMPLEXES

The mobile diagnostic complexes are designed for public preventive examinations in pre-clinical setting.



A complex can be equipped with different X-ray cabinets and with medical specialists rooms.

The following rooms can be located in the additional compartments: the general practitioner's, the gynecologist's (urologist's), the ophthalmologist's, the otolaryngologist's, the Ultrasonographer's room, as well as a laboratory.

We can equip the module with a customized medical room of any other type.

The diagnostic complexes are equipped on individual basis, according to the specific medical facility requirements

MOBILE POLYCLINIC

Mobile Clinic constitutes two autotrains consisting of X-ray cabinet based on truck chassis and of a trailer.



Radiographic, mammographic or chest screening cabinet is standardly based on the truck while the trailers include the rooms for medical specialists.

We can equip the module with a custom-made customized medical room of any other type.

It is made as two trailer trains comprising a vehicle chassis based X-ray room and a trailer. If a large-scale mobile polyclinic is delivered, the complex additionally includes a weather protective canopy for waiting patients.

Settling of the mobile clinic at a site is usually done within 1–1,5 hours.

Power supplying can be provided from the local mains as well as from autonomous power stations.

The precise attention is focused on comfort work of doctors and convenience for the patients.





AIR CONDITIONING SYSTEM

The following air conditioning systems are proposed:

- a split system;
- a single-block air conditioner (a roof top type unit).



SANITARY COMPARTMENT

At the customer's order, the complex can be equipped with a sanitary compartments comprising the following:

- a hand washer with water heater for the heating and subsequent automatic water temperature control;
- a chemical toilet;
- a liquid soap dispenser.

VENTILATION SYSTEM, HEATING

Each compartment is equipped with a ventilation system and an air decontamination system.

A hot air curtain is installed above the door, to use the room in cold seasons.

An electrical blow heater or wall-mounted electrical heat convectors can be used for additional heating of both the examination and personnel rooms.



AIR CASTORS FOR WORKSTATIONS

The equipment workstations feature special air castors which «damp» the vibrations, thus preserving the electronic components integrity.

All the furniture and medical equipment is securely fixed during transportation, to protect it against vibrations and transport loads.



FEATURES



CORROSION RESISTANCE

- there are no metal floor components;
- the movable ladder part' and the staircase structures are galvanized;
- the ladders are made from aluminum shapes;
- the boxes under the van with opening tops (for the ladders and handrails transportation and storage) are equipped with a lock and sealing rubber and are made from corrosion-resistant steel.



ELECTRICAL NETWORK CONNECTIONS

The mobile complex is connected to a 220 V single-phase electrical network.

The following equipment is located under the van:

1. A box for 25 m power cable storage;
2. A liquid heating system for the vehicle engine and van warming-up during cold seasons;
3. A power panel for connecting the mobile complex to a single-phase electrical network.

FRAMELESS TECHNOLOGY

The state-of-the-art van is characterized by perfect thermal- and noise-insulating properties.

The walls, roof and doors of the van are made of one-piece plastic sandwich panels.

The outside of the van is covered with white plastic, the insulation is made from extruded polystyrene foam.



GALVANIZED SUPERFRAME

The superframe is made from structural steel and is galvanized; this prevents rusting and extends its service life significantly.





LOWERED DOORWAY

Facilitates the access to the van for the mobility impaired. The skid resistant steps enclosed in an embayment are heat insulated.

Provisions have been made for a stairway lighting (of a LED type). The an is equipped with handrails on the inside, for the convenient up and down climbing.



SPOILER

The spoiler facilitates overcoming the air resistance, which could otherwise reduce the vehicle road performance and increase the fuel consumption.

An outdoor air conditioner unit could be installed behind the spoiler, the said air conditioner unit providing additional protection against contamination when the vehicle is moving.

AUTOMATED LINEAR LIFT FOR PATIENTS

It is required to help people with reduced mobility.

The structure consisting of 2 lifting arms ensures the platform stability and improves the passenger's safety.

It is controlled by a three-button remote control.



HYDRAULIC STABILIZATION SYSTEM

This system ensures vehicle stability on rough roads. The key hydraulic outriggers' advantage is their simple design and ease of operation. It takes maximum 5 minutes to install the hydraulic system.



OPTIONS



DIESEL MINIPOWER PLANT

When using the complex in places located far from uninterruptible power supply sources, an additional power source — a generator — is required.

It enables carrying out examinations far away from electric power networks.



CANVAS BLIND

A cassette type canvas blind provides comfortable environment for the patients awaiting outside of the mobile complex, protecting them against rain and sunlight.

The canvas blind is controlled by a remote control.

It is possible to install canvas blinds of various sizes and at different van sides.



CHASSIS OPTIONS

- KAMAZ street modification 4x2
- KAMAZ cross-country 4x4, 6x6
- URAL
- MAZ
- Hyundai
- ISUZU
- Special trailer

We propose a wide variety of solutions: compact mobile small-street-chassis based cabinets; a cross-country vehicle (with 2 or 3 driving axles) would be a perfect option for tough road conditions; subject to availability of your own vehicle, we propose using a special trailer.

We give preference to the world-renowned KAMAZ trucks, the multiple winners of prestigious off-road truck driving competitions (The Dakar Rally). This is a modern truck with the appropriate characteristics and comfort level. The excellent KAMAZ service facilities that exist both in our country and abroad pose an important factor of the successful room operation.

NP JSC AMICO, based on its own JSC ROENTGENPROM production facility, produces mobile truck-based cabinets for over 20 years and holds the leading market position up to the present day.

Having started with manufacturing the mobile chest survey trucks equipped with film chest screening systems in 1998, we have been the first in Russia to present the mobile truck-based cabinets equipped with digital chest screening systems and the mobile mammography trucks (including those equipped with digital mammography imaging systems) to the medical community. In addition to the chest screening and mammography trucks, the model range now includes the mobile trucks for radiographic examination and the mobile medical stations for alcohol and drug intoxication check-up.

Having such extensive experience, we have proposed to combine individual mobile cabinets into mobile complexes for public preventive examinations and for rendering paid medical services.

Some fundamental principles have been taken as a basis: modularity, complete IT-based management and easy servicing.



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

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