

AMBULANCEMED

AmbulanceMed, who combines technical expertise with the commercial ones and maintains with national/international experience, has led the delivery of thousands of ambulances until today.

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Ambulancemed

MOBILE XRAY VEHICLE

Rapid Response. Unmatched Care
Emergency Vehicle.

XR
MOBILE XRAY
VEHICLE





WELCOME **INTRODUCTION**

Welcome to the world of Mobile X-RAY Vehicle Excellence, where top-tier mobile medical imaging reaches its zenith. Our visionary company proudly presents the exquisitely designed Mobile X-RAY Vehicle, meticulously crafted to redefine the standards of mobile medical imaging technology. In this captivating brochure, we extend a warm invitation for you to embark on a detailed exploration of the Mobile X-RAY Vehicle masterpiece, where the fusion of form and function sets a new paradigm. Discover the unmatched sophistication of our cutting-edge features, carefully engineered to deliver exceptional diagnostic capabilities and ensure seamless, on-the-go medical imaging. Join us as we push the boundaries of innovation and revolutionize the future of mobile X-RAY solutions.

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You are about to embark on an informative journey delving deep into the realm of X-RAY vehicle

MOBILE XRAY VEHICLE

At Ambulancemed, we take great pride in our commitment to transforming Ford Transit brand cars into top-of-the-line Emergency Ambulances and mobile health vehicle, and our latest creation, the Mobile X-RAY vehicle, is no exception. Manufactured at our state-of-the-art facilities in Dubai and Ankara, this ambulance is designed to provide unparalleled medical care, ensuring optimal sanitary conditions and comfort for both patients and medical professionals.

At the heart of the Mobile X-RAY Vehicle's design is its dedicated imaging compartment, intricately fashioned to uphold the most exacting demands of medical imaging excellence. Recognizing the urgency of mobile diagnostic services, we have meticulously allocated space for optimal imaging procedures. Each facet of the imaging compartment is purposefully planned, enabling streamlined organization of vital equipment, ensuring their instant availability during crucial imaging scenarios. Whether conducting intricate scans or delivering vital diagnostic insights, our Mobile X-RAY Vehicle stands primed to navigate diverse imaging needs, guaranteeing prompt and precise medical imaging support.



As a leading manufacturer of medical vehicles, we are dedicated to serving not only local communities but also extending our reach worldwide. Our Mobile X-RAY Vehicle is exported to various countries, ensuring that people around the globe have access to top-tier emergency medical services.

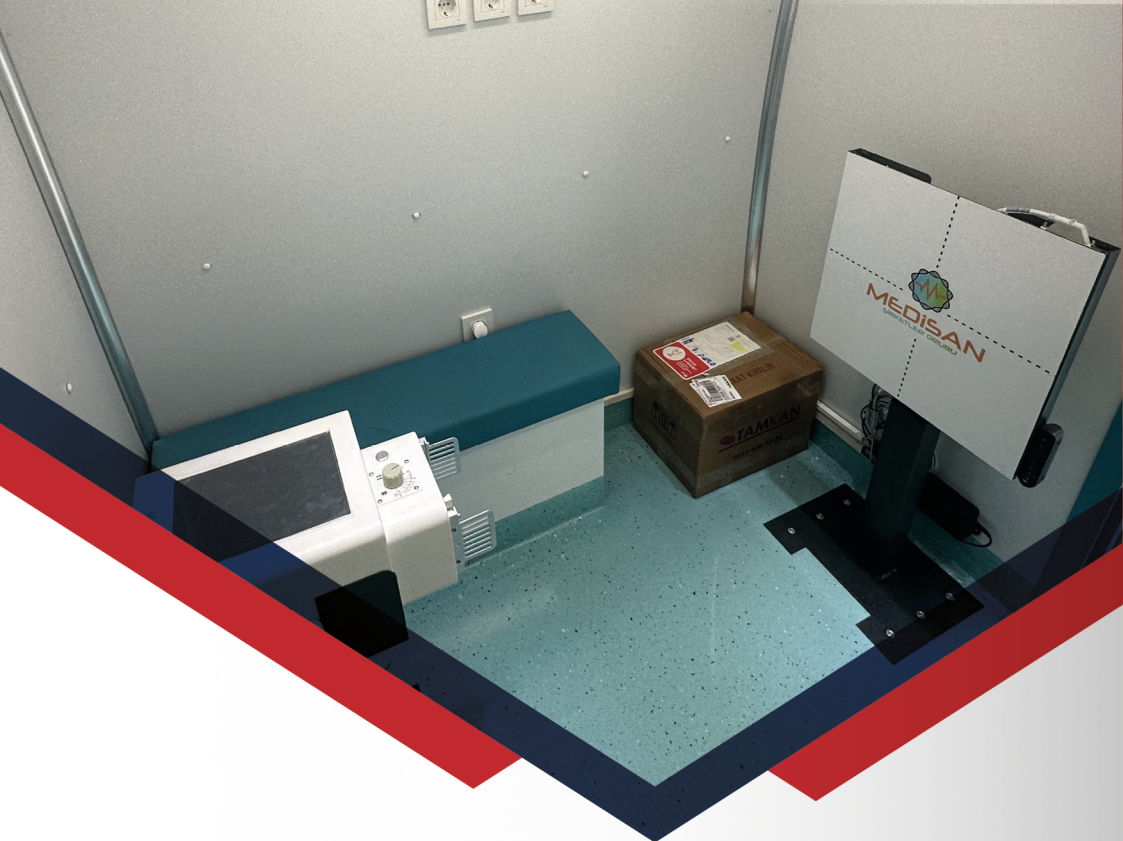
The Mobile X-RAY Vehicle embodies our resolute dedication to excellence, safety, and ingenuity. Through its unparalleled diagnostic capabilities, ergonomic layout, effective illumination and alert systems, and groundbreaking X-RAY assistance technologies, it takes the lead in the mobile medical imaging sector. United, we endeavor to enhance diagnostic medical practices and bring about a profound difference in numerous lives worldwide. Choose Mobile X-RAY Vehicle Innovations - your reliable ally in providing extraordinary mobile medical imaging solutions.

- The Mobile X-RAY Vehicle boasts an energy-efficient lighting arrangement, delivering ample illumination for diagnostic procedures while maintaining prudent power consumption. Our meticulously devised warning system is tailored to capture attention while remaining mindful of energy consumption. This harmonious blend of effective lighting and alert systems ensures a secure journey through traffic, enabling the vehicle to swiftly reach its destination in critical medical scenarios.

At Mobile X-RAY Vehicle Innovations, we hold firm in our commitment to outfitting our medical vehicles with the latest advancements. The Mobile X-RAY Vehicle comes equipped with state-of-the-art X-ray technologies, including Enhanced Imaging Assist, Multi-View Imaging, RadShield Safety, and IntelliConnect Mobile. These cutting-edge technologies simplify the daily tasks of the medical team, streamlining operations, and heightening overall efficiency during diagnostic procedures and medical imaging missions.

- The Mobile X-RAY Vehicle by Ambulancemed is not only a testament to our dedication to safety and comfort but also a platform to showcase the latest technological medical devices, revolutionizing the landscape of emergency healthcare.





X-RAY VEHICLE **INTERIOR**

At Mobile X-RAY Vehicle Innovations, we take immense pride in outfitting the interior of our vehicles with the latest technological advancements, aligning seamlessly with the demands of the contemporary age. Our dedication centers around delivering the utmost standard in mobile medical imaging services, and we've painstakingly engineered the Mobile X-RAY Vehicle to uphold these standards.

The interior space is thoughtfully furnished with state-of-the-art, customized equipment, ensuring comprehensive readiness to tackle any imaging scenario. From advanced X-ray systems to intuitive layouts, every element has been meticulously designed to cater to the unique requirements of medical imaging professionals and patients alike. With Mobile X-RAY Vehicle Innovations, you can rest assured that our technologically advanced Mobile X-RAY Vehicle will provide unparalleled diagnostic support precisely when it's needed most.



Ambulancemed



TECHNICAL AND MEDICAL EQUIPMENT IN MOBILE X-RAY VEHICLE

Mobile x-ray vehicle donated with the equipment that takes digital views. The vehicle consists of four main sections that x-ray room, x-ray checking room, laboratory examination room, and technical room.

The box of the mobile x-ray coated with polyurethane sandwich panels. In addition, its external surface is completely sealed with a silicon material which provides sound and heat insulation to the box. The materials used in the vehicle are fire-proof. It is determined three glasses in total on the box. The vehicle has two doors.

The X-ray room

There is an x-ray device placed in the room. It conveys the display taken from the patient to the examination room. Also, there is a generator of x-ray in the room. It is placed a snail type air-conditioner on the ceiling and the ground. There is a red lamp operates during the x-ray shoot placed out of the x-ray room.

The external walls of the x-ray room completely covered with bullet material. The health employee staying out of the room protected against the detrimental ions coming from the device by that insulation. The radiation amount on the outer layer of the door doesn't cross over 2.8 MSV/s. The door of the room is designed as a sliding type and coated with the bullet the same as the doors. A radiation-retarding glass determined in the middle of the door.

Technical room

There are two water tanks, 100 liters each, for clean and dirty water separately. The water coming from the tank distributed in the vehicle by a hydrophore. Also, it is provided that hot water flows in the vehicle. There is a silent type 10 Kva generator with gasoline in the technical room. In fact, it can be mounted out of the vehicle if requested.

**The flooring of the Mobile X-RAY Vehicle is crafted as a unified entity, ensuring a seamless surface. It offers excellent traction to prevent slipping, facilitating safe movement. Designed for easy maintenance, the floor can be effortlessly cleaned and washed with water.*



TECHNICAL AND MEDICAL EQUIPMENT IN MOBILE X-RAY VEHICLE

There is a window within the x-ray room and controlling room in order to enable the communication between these two. The radiation amount on the outer layer of the window doesn't cross over 2.8 MSV/s. There is a visual communication system in the examination and x-ray room in order to enable communication among these two.

Mobile X-Ray Vehicle Examination Room

It is placed in a doctors' seat, examination seat, computer, a sink having hot and cold water in the room. The area where clean and dirty water deposited in the technical room. There are storage space and a bench for the doctor to use them. Antibacterial and antistatic epoxy material used in the covering of the ground. There are x-ray printers, computers, and monitors in order to investigate the x-ray result. This room designed specially as being prevented against harmful radiation.

The cabinets used in the mobile x-ray vehicle mounted on the ground smoothly in order to reduce the noise occurring from the movement of the vehicle. There are locks on the cabinets in order to block caps and drawers from opening while the vehicle is in motion. There is enough space to initiate banking in the cabinets.

There are two ladders placed out of the box of the x-ray vehicle. One of these ladders has a wheelchair ramp. These ladders and the ramp held in the vehicle during the vehicle is in motion.

The interior of the Mobile X-RAY Vehicle boasts a split-feature air conditioning system, meticulously designed to provide optimal climate control within the confined space. This advanced air conditioning setup ensures a comfortable environment, allowing precise regulation of temperature to meet the specific requirements of medical imaging procedures.



TECHNICAL AND MEDICAL EQUIPMENT IN *MOBILE X-RAY VEHICLE*

There is enough space in the vehicle in order to stock the stuff.

Also, there are special storing areas having shelves, locks, and sliding caps positioned on the cover of the examination room. Mobile x-ray vehicles can be manufactured from box-type panelvan or a container. The vehicles with more than 5 tones bearing capacity preferred when a panelvan vehicle used. Iveco or Mercedes can be used as being chassis of the box type vehicle. In fact, It is possible to produce it from the 4×4, container, trailer, or expandable container vehicle. There is an x-ray unit operating 32 kW – 150 kW in the system. The power of the x-ray is about 5 kW; the kV range is 100 kV. The filming time is nearly 2 seconds. It is placed in

Also, a digital monitoring screen placed in the room.

There is an x-ray printer, being able to print out 35×43 cms or 24×30 cms for x-ray sheets. This device operates with the computer placed in the technical room. There is a security arrangement in order to protect the tube placed in the x-ray system against overusing and over shouldering. There are heat sensors on the tube for security. Also, an electromagnetic brake system was set. It is arranged a special security system that protects tubes from crashes in case of an accident. A measurement system that times ambient dose out of the x-ray room placed in the room. There are protector aprons for all the employees.

The mobile x-ray vehicle that was manufactured is compatible according to the regulations of the European Union 'radiation safety requirements in the field of medical'.

The materials used in the vehicle and production techniques are compatible according to ISO 13485, ISO 14001, ISO 45001. The whole walls of the x-ray room covered with a protective layer against ionizing radiation and radioactive contamination. The visuals are given on the purpose of exposure.



TECHNICAL AND MEDICAL EQUIPMENT IN *MOBILE X-RAY VEHICLE*

Our AmbulanceMed Mobile X-Ray truck design is aimed at providing solutions to its users in the field of occupational health and safety. Our Mobile X-Ray truck is in demand in North African countries, Middle East countries and Far East countries. It is built on trucks with a carrying capacity of 7 to 10 tons for the Mobile X-Ray truck. A chassis made of polyurethane material is made on the chassis truck. The interior design of the chassis can be manufactured in desired features according to user demands. There are 3 sections in this design; X-Ray room, waiting and recording area, staff room. X Ray Room: Inside, there is also one X-ray device, electrical installation for X-ray device and X-ray generator, interior lighting and lead coating to prevent radiation from emitting as well.

Waiting and Registration Part. There is one table, waiting for chairs, 220 Volt socket outlets in the desired amount, interior lighting and electric control panel in order to provide controls of patients registered in this area.

Staff room: There are armchairs for the rest of the staff, a table, kitchen counter, sink (hot and cold-water parts) refrigerator, overhead cabinets. There are also sufficient 220 Volt power outlets and interior lighting in the room.

The walls and ceiling of the rooms inside the Mobil X-Ray truck are ABS coated. Epoxy was applied to the 11 mm sea plywood on the floor. In order to meet the electricity, need without interruption, the electricity draw inside was calculated and the generator was placed in the area at the bottom of the vehicle. In addition, there is a split air conditioner placed in the waiting area by calculating the area again. In mobile X-ray truck, external generator and X-ray generator are separated from each other. An X-Ray generator is placed in the vehicle. The necessary reinforcement is provided to the mobile X-ray truck from external UPS Inside the vehicle when external electricity or the current from the generator is insufficient.



OUR WORKS



TECHNICAL EQUIPMENTS

- 1 Mobile Health Care Vehicle
- 2 Front beacon lamp with LED
- 3 Back beacon lamp with
- 4 Siren Announce Device
- 5 Patient's Cabin Lighting (LED)
- 6 Patient's Cabin Lighting (Spot LED)
- 7 Air Condition
- 8 Electrical System
- 9 Digital Control Panel
- 10 Rectifier
- 11 Rectifier Cable
- 12 Socket
- 13 Inverter 1000W
- 14 Outlet 220V
- 15 Fuse Circuit Breaker
- 16 Led Lighting

The technical equipment in our ambulances is designed to meet the highest standards of quality and functionality. Please note that these equipment are subject to regular updates and advancements in line with evolving medical technologies. We are committed to ensuring that our ambulances are equipped with the most up-to-date and state-of-the-art technology to provide the best possible care.

MEDICAL EQUIPMENTS

- 1 Flat panel detector
- 2 X-ray tube assembly
- 3 High voltage generator
- 4 body frame
- 5 Beamformer
- 6 Filter grid
- 7 High voltage cable
- 8 Call intercom system
- 9 Image acquisition workstation
- 10 Qixi Medical Digital X-ray
- 11 ID card reader
- 12 Scanning gun
- 13 Social Security Card Reader

