

Mobile Computer Tomography (CT) Scanner

Advantages of CT diagnostics in medical surveys

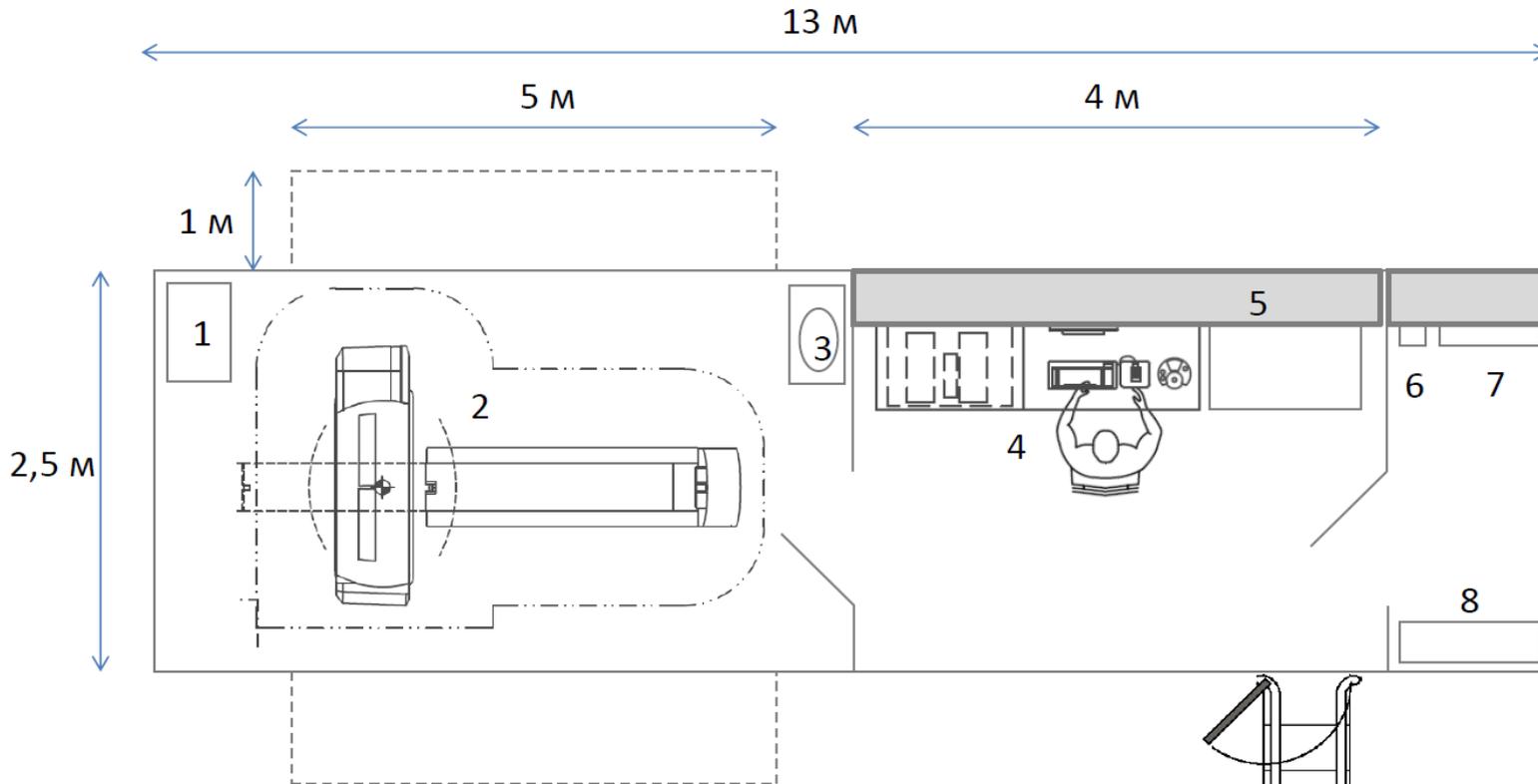
- Computer tomography ranks as a top method of comprehensive diagnostic tools in detection of various pathologies:
- All kinds of traumas;
- Cardiac and vessel, lung, kidney, liver diseases and other internal pathologies;
- Benign tumors and cancer

However due to uncertainty of patient flow and large distances the construction of high-tech hospitals and purchase of fixed, always-on-site machines are risky and not financially justified.

Ideal solution- Mobile CT Scanner

- Mobile CT scanner ensures complete functionality and same patients capacity stream as the on-site stationary unit;
- The Mobile CT scanner is “physically safe”. In emergency case it can be quickly withdrawn back from a dangerous region;
- Shorter installation time (less than one day) with fewer logistical issues. In extra case Mobile CT scanner can be retracted within one hour in case the tow truck is already on site;
- Shared costs and optimal usage of Mobile CT are achieved by means of services among several sites and rotation system.

CT Scanner plan



- 1. X-ray generator
- 2. CT
- 3. Sink
- 4. Operator's working place
- 6. Water pump
- 7. Water tank
- 8. Power distribution box

Specification

- Sliding panels in rear part (variable truck-geometry)
- Insulated rooms
- Hydraulic auto-stabilization of the truck body in the working position
- Air exchange and conditioning
- Air suspension
- Complete interior and exterior works

Sizes of the trailer:

Length— 13560 mm

Width— 2550 mm

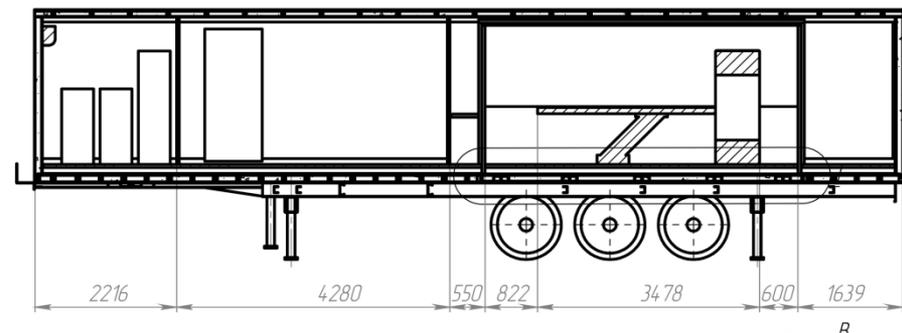
Height— 2750 mm

Sizes of the rooms

Examination room— 28 m²

Operator's room— 10 m²

Technical room— 10 m²



The Target CT Scanner

Our project is aimed at using a next-generation CT scanner with acquisition of 16 slices simultaneously. The scanner is beneficial for highest quality and shorter rotation time in clinical application, smaller weight and low energy consumption, also the system is well-adaptive to mobile state-on-wheels.

