

GE Healthcare

TMX R⁺

Designed to make a difference



TMX R+ for wide range of applications

The TMX R+ is a powerful mobile radiography system designed to fulfil a wide range of clinical applications in any location of your department. It has been especially designed for totally adapted use in intensive care, emergencies, pediatrics, neonatology and orthopedics rooms.

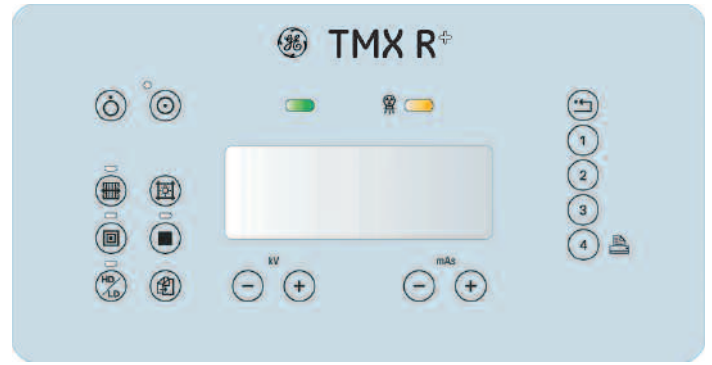
Feel the comfort

Thanks to its ergonomic design, the TMX R+ offers optimum visibility during travel. With its **ergonomic drive handle**, battery-free housing, **big rear wheels** and two swivelling front wheels, the TMX R+ is extremely easily manoeuvred through the narrowest corridors, small lifts or rooms.

Rotation makes the difference

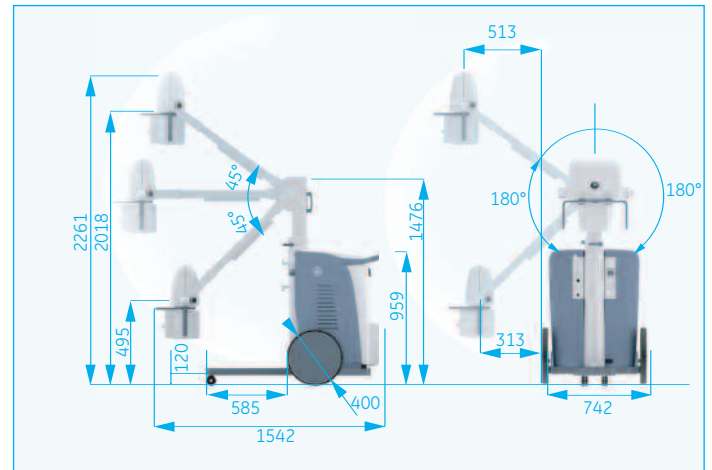
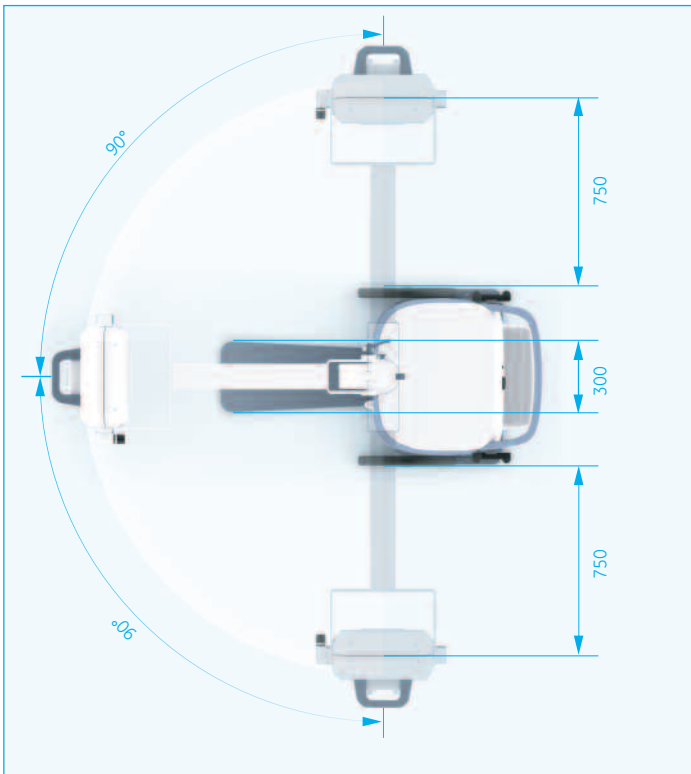
TMX R+ enables 3 levels of rotation: tube rotation 180° on X-axis, tube rotation 133°/18° on Z-axis and now with the **new 180° column rotation**, positioning is so easy!

Advanced Functions



The large control panel with digital display is clear and easy to read.

The control panel is equipped with touch-sensitive buttons that allow an easy and fast adjustment of the examination parameters. The console enables kV and mAs selection as well as **Low Dose selection** and **dose printer interface** (option printer for DAP) for greater dose control possibilities. The anatomic program mode (APR) has **24 anatomical techniques** stored.



All distances are mentioned in mm



Generator

- High frequency monoblock generator, frequency 40 kHz
- Predisposition to a connection with an external Bucky
- Power rating (max.) 30 kW, according to IEC601-1
- Voltage range 40 - 125 kV with 1kV increment
- mAs range 0.2 - 220 mAs with 12,5% increments
- Exposure times 0,002 - 2,2 s

X-ray Tube

- X-Ray tube with rotating anode
- Anode rotating speed 2850 rpm (50 Hz)
- Anode thermal capacity 80 kJ (107 kHU)
- Focal spot size: Dual focal spot; 0.8 and 1.3 mm
- Total filtration 2,7 mm Al

Collimator

- Manually operated collimator with internal luminous source
- Collimator rotation +/- 115°
- Field covering 43 x 43 cm at SID 1 m
- Retractable measure tape

Control Console

- Microprocessor controlled console
- Two points working technique with kV and mAs selection
- Anatomic Program Mode (APR), 24 exams storage (available in 5 different selectable languages: UK, D, E, F & I)
- Focal spot selection (0,8 / 1,3 mm)
- Low dose selection (50% dose reduction)
- Dose Printer interface
- Bucky interface

Mechanical Data

- Column rotation +/- 90°
- Weight 265 kg approx.
- Focus - floor distance from 495 to 2018 mm
- Length in transport position 1542 mm
- Height in transport position 1476 mm
- Height with the arm at the max. extension 2261 mm
- Width 742 mm
- Max. extension of lateral arm 750 mm
- Horizontal monoblock rotation +/- 180°
- Vertical monoblock rotation 151° (+133° - -18° towards the vertical axis)
- Cassette holder for 5 cassettes (35 x 43cm)

Movement

- Manual
- Double front swivelling wheels
- Stationary brake by foot pedals
- Ergonomic drive handle
- Wheels: Rear 400 mm diameter, front 70 mm diameter

Options

- Ionizing chamber dosimeter (DAP)
 - Resolution 0,01 cGy cm²
- Printer for DAP
- Infrared Exposure Remote Switch
 - Technology: Infrared light beam, line of sight operation; will operate through glass and lead glass
 - Operating distance 11m
 - Operating radius 180°
 - Power source: 9 volt alkaline battery included; 25.000+ exposures; Low Battery Indicator illuminates when battery needs to be replaced

Power Supply

- Mains power 115/230 Vac +/- 10%, single phase 50/60 Hz with ground. Automatic adaptation to the mains line.
- Standard socket outlet 16A@230 Vac

Environmental data / Compliance to Standards

- Operating temperature +10°C - +40°C
- Operating humidity 30% - 70%, non condensing
- Standards and compliance: Medical Devices Directive (MDD 93/42 EEC, CEmark), IEC 60601-1

Data subject to change.
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Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care "Early Health." The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

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GE imagination at work