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Transportix B-Rev1\_2008\_ing



*Radiological Mobile Unit*



**Transportix-Batt**

The **Transportix-Batt**, is a compact and powerful X-Ray system, with output power up to 50 Kw, and unsurpassed quality, making it unique in the radiological market.

Its ergonomic design addresses both operator and patient needs for convenience and efficacy and it can be positioned with precision and ease.

The Operator can easily perform a wide range of patient examinations and positions, such as standing, seated, bedside, wheelchair emergency cases and patients with other physical challenges.



With its easy movement, application flexibility, and superior quality, the Transportix-Batt offers complete radiographic solutions in any environment, at any time.

**ACCURACY AND HIGH QUALITY**

The high frequency technology in flat waveforms of the Transportix-Batt provides superior image quality. Powerful, the system has proven capability to provide up to 500 mAs output with consistently reproducible results. Unique in the mobile market for its industry leading 50 kW output, power which enables a full routine of application possibilities, the high frequency technology also offers minimum exposure times of 1 mS, making it ideal for adult examinations and paediatrics, where patient movement, dose and image quality are primary considerations.

Transportix-Batt is essentially an x-ray room on wheels where functionality is not compromised despite its extraordinary energy storage capabilities allowing for practical usage without mains connections.

Among his principal characteristics, are:

- Up to 200 images of 160 mA (70 kVp, 320 mA, 0.5 sec)
- Storage capacity up to 80.000 mAs@100 mA
- Range from 40 to 150 mA
- From 0.1 - 500 mA
- 492 anatomical program storage capabilities

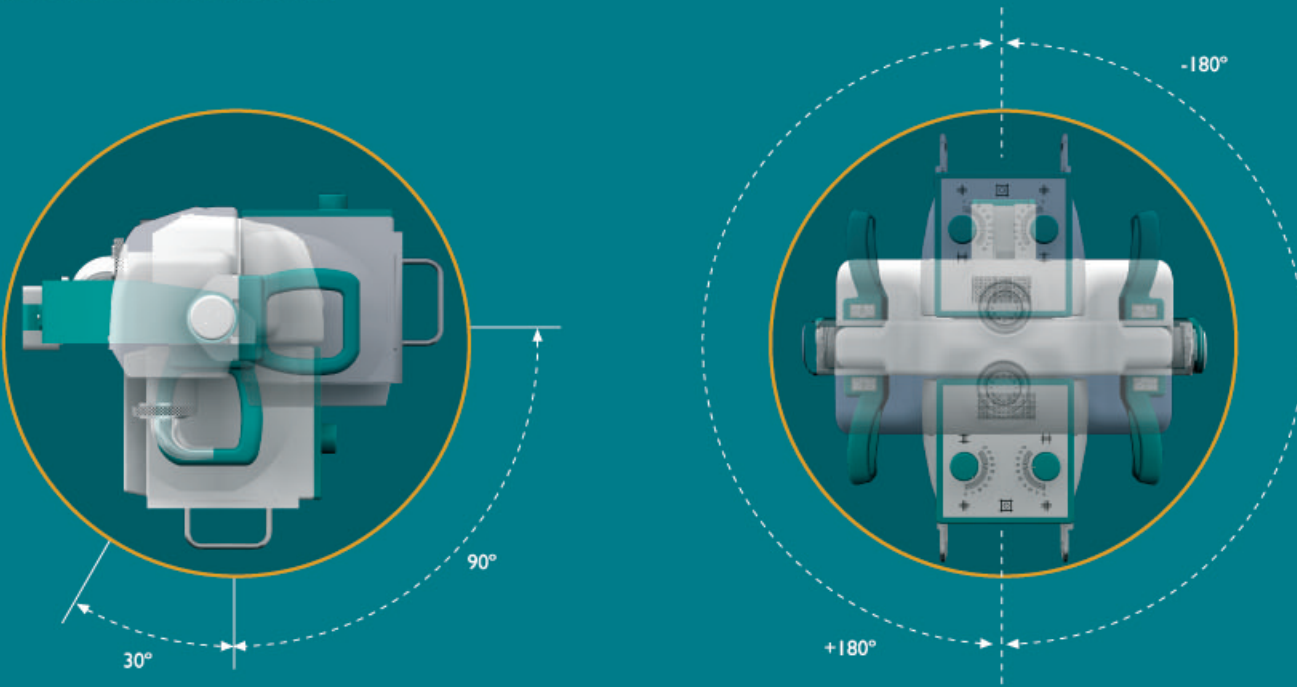




## HIGH FUNCTIONALITY

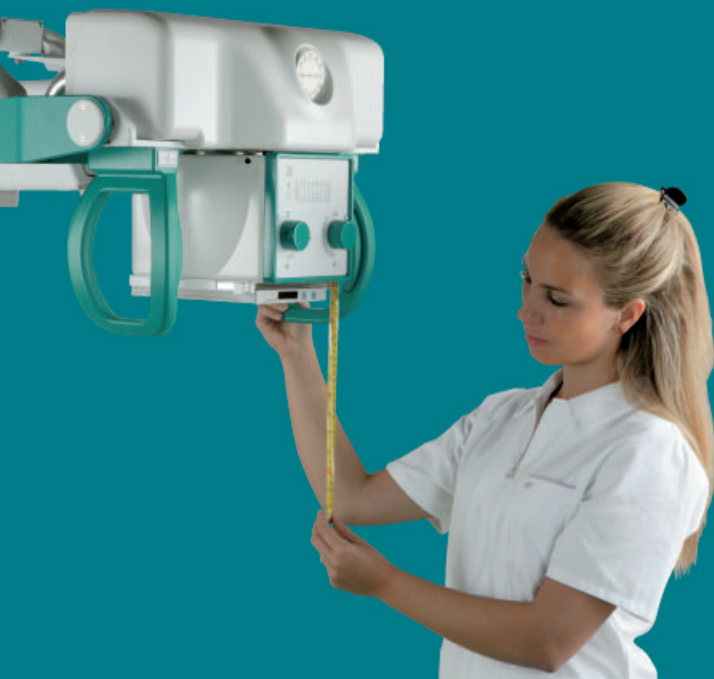
### X-RAY TUBE ROTATION

The counterbalanced system enables accurate positioning with smooth, secure, and stable operation.

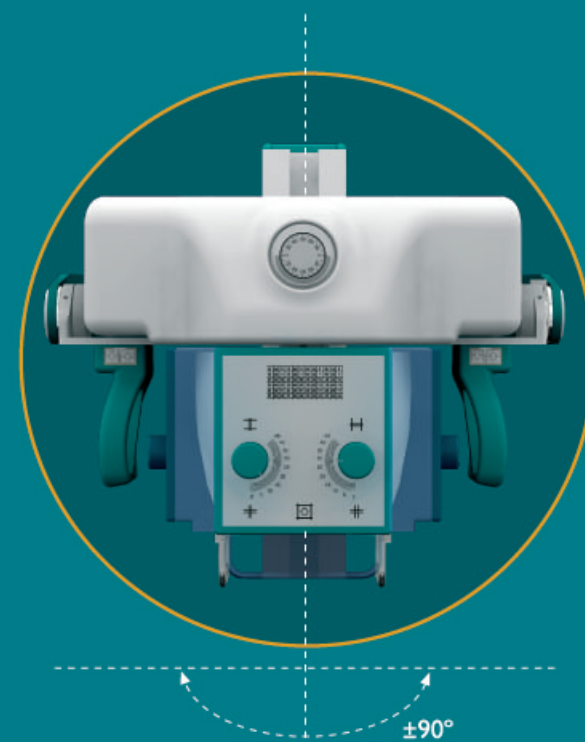


### FOCUS-TO-FILM DISTANCE MEASUREMENT READING

A retractable tape measure, conveniently positioned on the collimator housing allows fast and accurate reading of the source to image distance



### COLLIMATOR ROTATION



### CONTROL CONSOLE AND ANATOMICAL PROGRAMS (APR)

The console display is designed for optimum user visibility under the most challenging conditions at the working place.

From the functional side, techniques may be displayed in either two or three point mode, or even a single point through the AEC option.

Transportix-Batt is equipped with Anatomical Programs that can be customized by the user for a total of 492 anatomical views and predetermined for any type of radiographic application.

System operation can be simply selected by the user to suit the following characteristics:

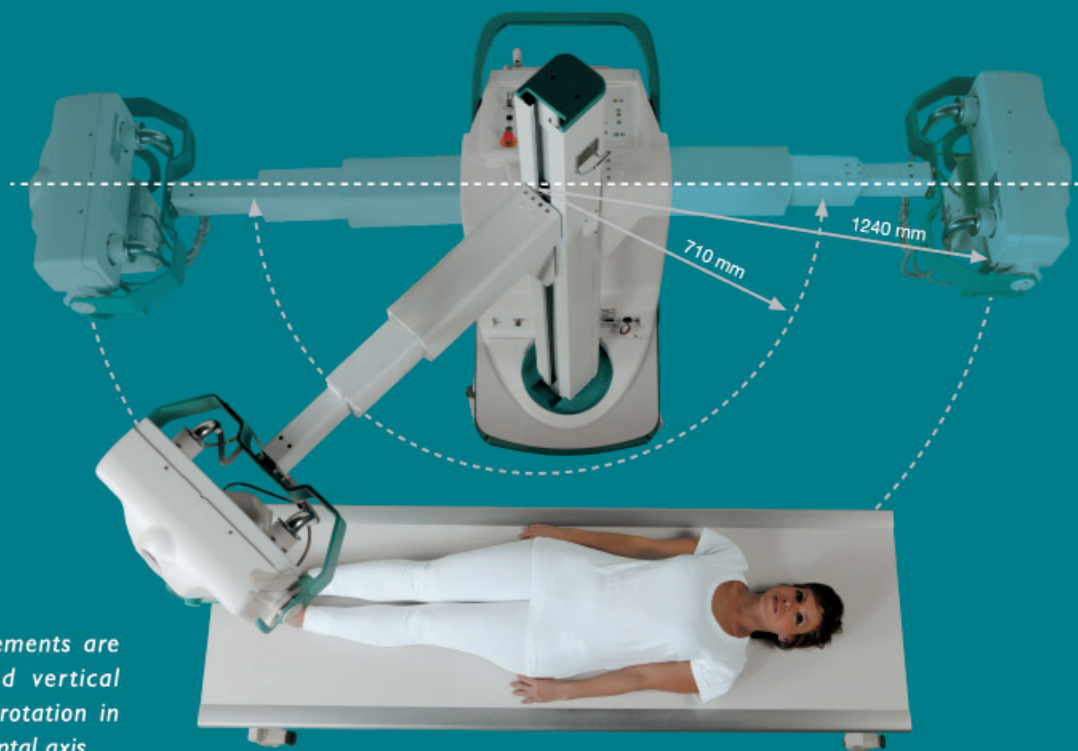
- 6 zones/regions
- 7 views
- 6 patients size (Small, Medium and large sizes for both Paediatric and Adult Patients)

The standard system includes an intuitive control panel with a large LCD display which provides a user friendly application environment and operational efficiency.





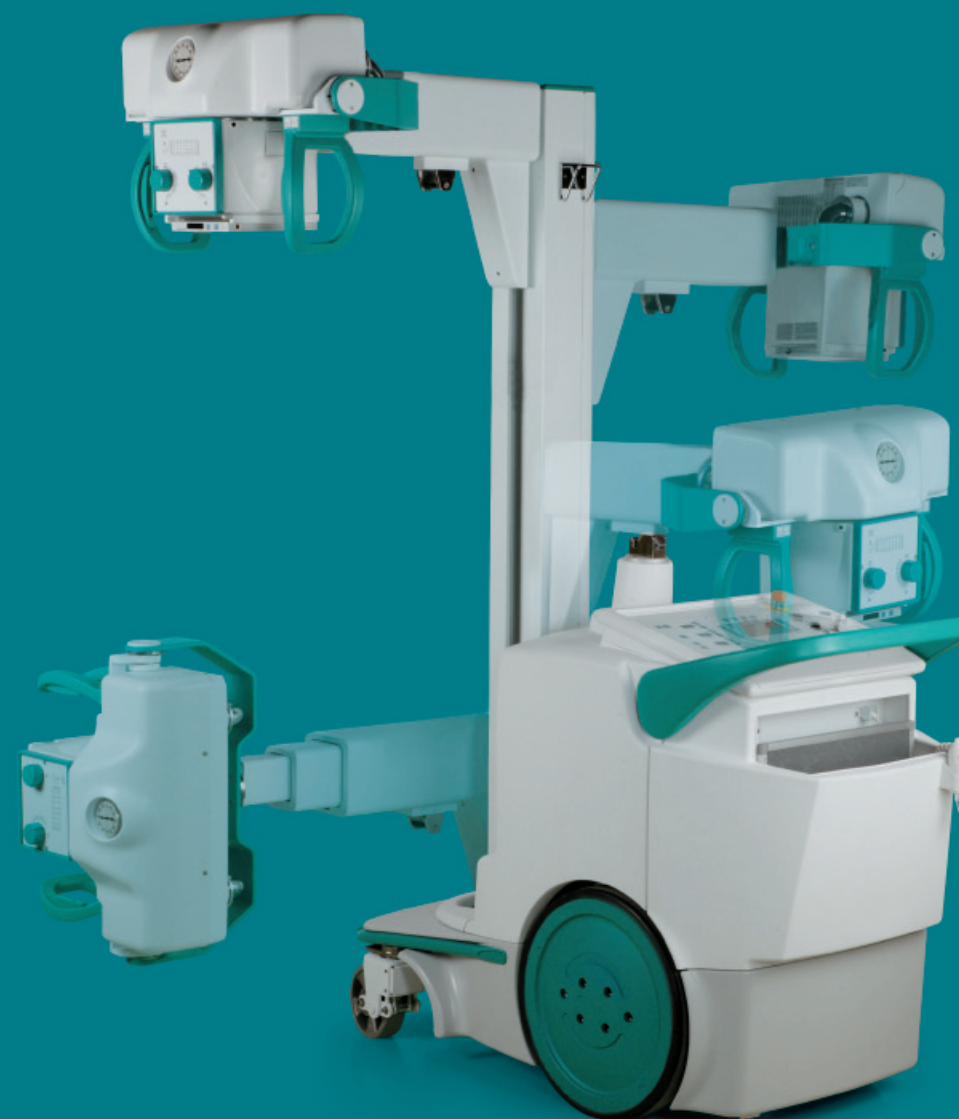
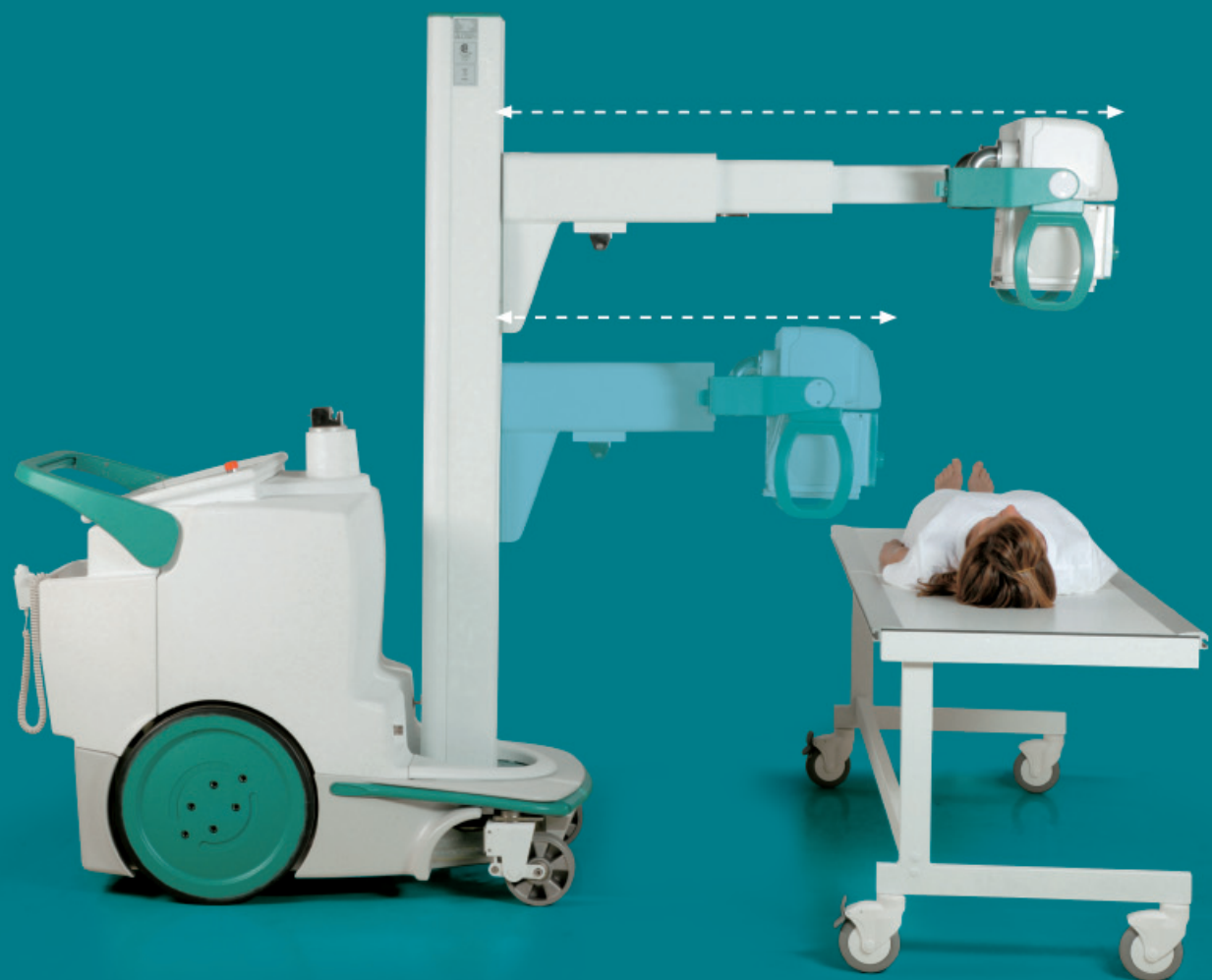
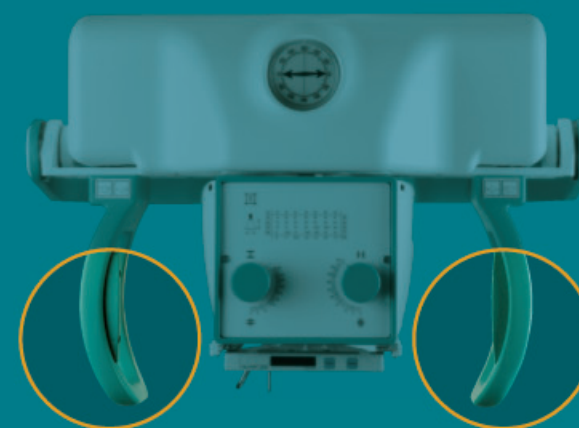
## EASY POSITIONING



A diverse range of movements are possible: horizontal and vertical positioning, X-Ray tube rotation in vertical axis and in horizontal axis.

By pressing the "all free buttons" releases the electromagnetic brakes and facilitates extension of the telescopic column, as well as freeing the rotation and/or vertical movement of the X-ray tube. Thus desired positioning is possible in **one simple step**.

The mobile system can also be moved in slight, measured steps, either forward or backwards by using the controls located on the tube column. This enables convenient adjustments without major disruption to the patient (ideal for bedside applications).



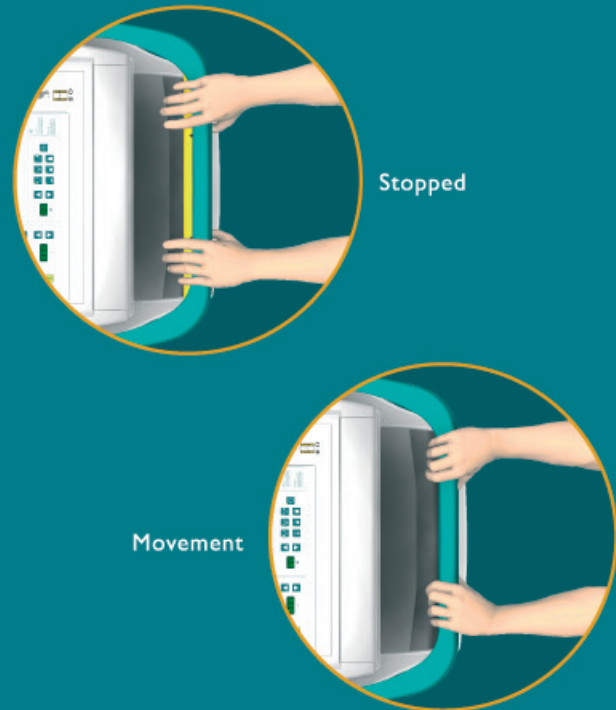
A wide compartment gives the possibility to accommodate comfortably up to 10 radiographic cassettes.



## EASY MOBILITY



## "DEAD MAN" SWITCH



## ANTICOLLISION SYSTEM

Sophisticated safety sensors on the front bumper respond to the slightest pressure through a controlled and safe stop.



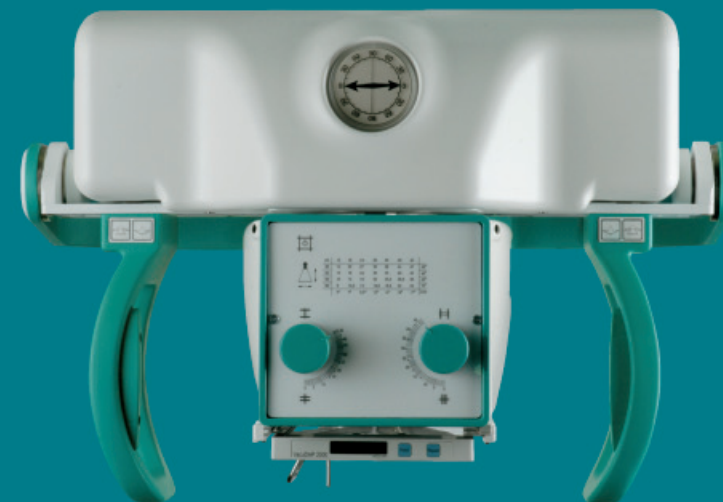
Spring loaded wheels function as shock absorbers, thereby enabling smooth and controlled movement and positioning. Obstacles up to 50 mm can be easily manoeuvred.

## OPTIONAL

### DOSE AREA PRODUCT DISPLAY

The Vacudap 2000 device determines the Dose Area Product (DAP) in radiological examinations. The rectangular standard measuring chambers are highly transparent and do not affect the functionality of the light beam diaphragm.

An industry standard serial interface link (RS-232) allows the transfer of data to a printer, network, or stand-alone personal computer.



Dose Area

### AUTOMATIC EXPOSURE CONTROL (AEC) CHAMBER

This portable ion chamber allows for simple AEC technique selection from the mobile x-ray system with fast and consistent results.

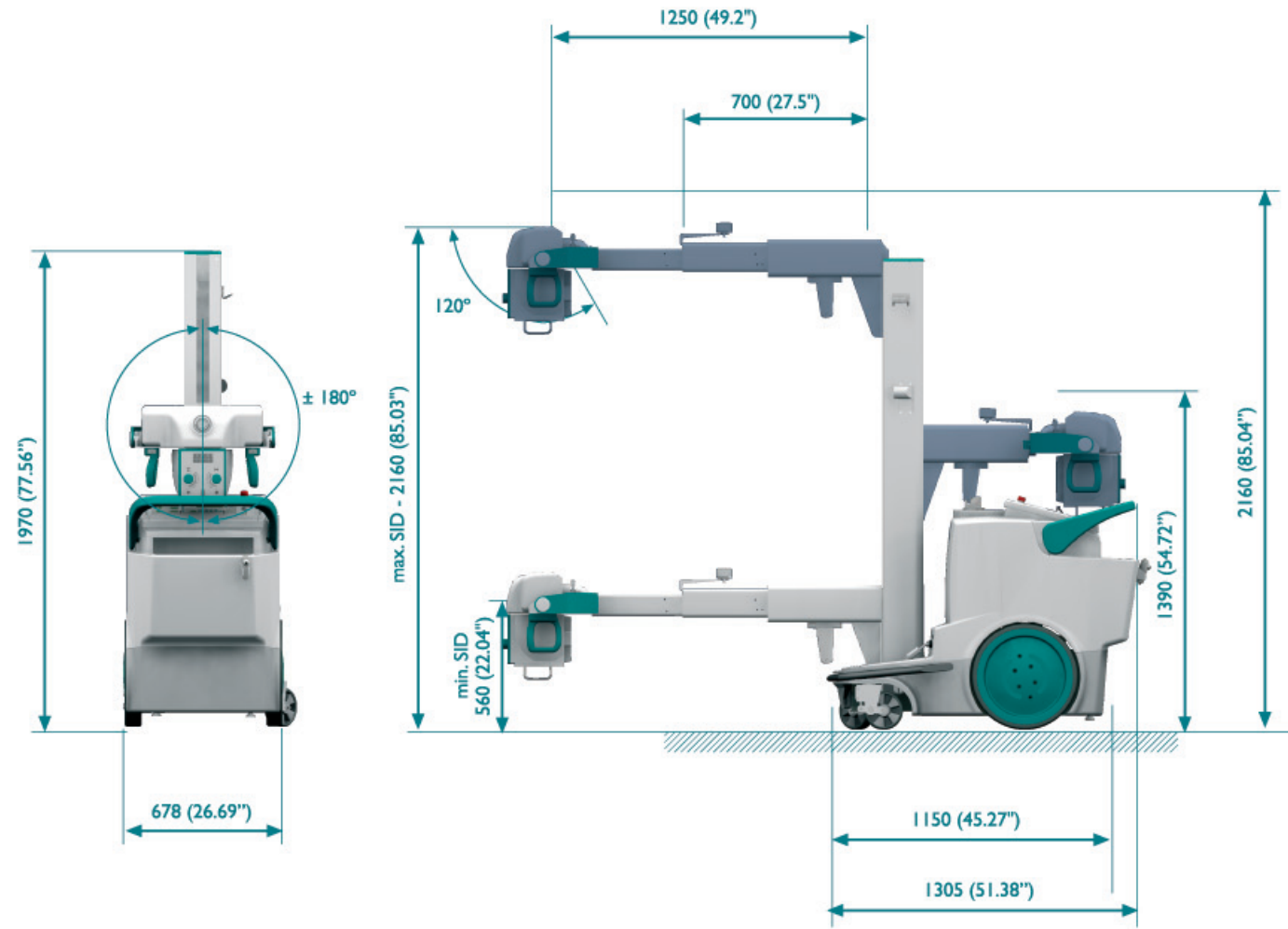


### INFRARED REMOTE CONTROLLER

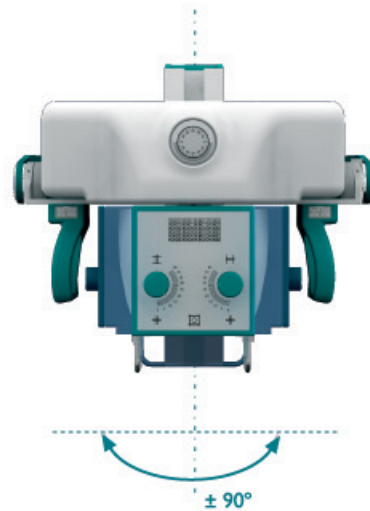
X ray exposures can be made remotely with a wireless infrared remote, increasing both the Operator's flexibility of movement and safety from exposure to scatter radiation.



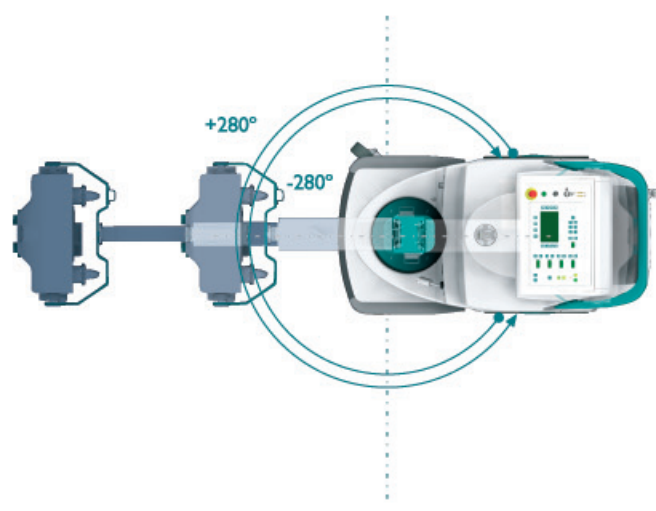
# DIMENSIONS



## COLLIMATOR ROTATION RANGE



## COLUMN ROTATION RANGE



## MOBILE BATTERY POWERED HIGH FREQUENCY X-RAY GENERATORS

Model	TX-20HF-Batt	TX-32HF-Batt	TX-40HF-Batt	TX-50HF-Batt
Constant potential in kW	20	32	40	50
Kvp Range in 1 kVp step (*)Optional	40 a 125/150(*)	40 a 150	40 a 150	40 a 150
Accuracy	$\pm(3\% + 1kVp)$	$\pm(3\% + 1kVp)$	$\pm(3\% + 1kVp)$	$\pm(3\% + 1kVp)$
Range mA	10 - 320	10 - 500	10 - 500	10 - 500
Number of stations	16	18	18	18
Accuracy	$\pm(4\% + 1mA)$	$\pm(4\% + 1mA)$	$\pm(4\% + 1mA)$	$\pm(4\% + 1mA)$
Range of time	0.001 - 10 sec.	0.001 - 10 sec.	0.001 - 10 sec.	0.001 - 10 sec.
Accuracy	$\pm(2\% + 0.1ms)$	$\pm(2\% + 0.1ms)$	$\pm(2\% + 0.1ms)$	$\pm(2\% + 0.1ms)$
Range mAs	0.1 - 500 mAs	0.1 - 500 mAs	0.1 - 500 mAs	0.1 - 500 mAs
Operation independent from supply of electrical network	Standard	Standard	Standard	Standard
Capacity of the batteries (maximum load) (maximum time of load: 10 hours)	More than 200 exposures of 160 mAs (i.e 70 kVp, 320 mA, 0,5 sec) Capacity of storage: 80,000 mAs@100 Kvp			
Collimator	Manual with electronic timer and meter			
Anatomical programmer (APR)	492 views	492 views	492 views	492 views
Automatic Exposure Control (AEC)	Optional	Optional	Optional	Optional
Connection for bucky	Optional	Optional	Optional	Optional
Remote control	Optional	Optional	Optional	Optional
Range of Line of Voltage and Phases	Single-phase line with automatic regulation from 100 - 240( $\pm 10\%$ )			
X-ray tubes (rotating Anode)	Low speed	Low speed	Low speed	Low speed
Focal spots	0.3 / 1.0	0.3 / 1.0	0.6 / 1.2	0.6 / 1.2
KHU/kVp	140 / 150	140 / 150	150 / 150	150 / 150
Anode degree angle	12°	12°	12°	12°
Optional tube				
Focal spots	0.6 / 1.2	0.6 / 1.2	0.6 / 1.2	0.6 / 1.2
KHU/kVp	300 / 150	300 / 150	300 / 150	300 / 150
Anode degree angle	12°	12°	12°	12°
Motorized unit	Standard	Standard	Standard	Standard
Weight	541 Kg	541 Kg	541 Kg	541 Kg

Specifications subject to change without prior notice