

*Best*<sup>®</sup>  
Theratronics



*GammaBeam*<sup>™</sup>  
**500**

TOTAL BODY IRRADIATOR



The GammaBeam 500 Total Body Irradiator is designed as a reliable teletherapy unit that is able to produce a large uniform rectangular radiation field at an extended source-to-skin distance to deliver total body irradiation.

## Features

- Source position indicators
- Redundant control system monitoring and timing
- Source shutter mechanism
- Operational and inhibit state interlocks
- Fixed and SSD treatment capabilities
- Graphical touch screen user interface
- Motorized vertical motion of the head
- Head swivel (optional)
- DICOM Worklist interface to customer's treatment management system
- Field flatness ( $\pm 5\%$ )
- Back up power to guarantee completion of treatment



## Technical Specifications: GammaBeam 500 Total Body Irradiator

Projected footprint of the unit	2.6 m by 1.2 m
Height	2.9 m
Maximum height from the source to the floor	2.5 m
Minimum height from the source to the floor	74 cm
Radiation source	Cobalt-60 ( $^{60}\text{Co}$ )
Projected field area at patient plane (2.2 m from the source)	70 cm x 200 cm
Dose rate	Up to 32 cGy/min at patient plane (2.2 m from source) at 10 cm depth
Head rotation relative to the neck	$\pm 180$ degrees
Electrical power ratings	115 V at 60 Hz or 230 V at 50 Hz 750 VA

# GB500 Patient Couch

The patient couch is an accessory of the GB500, which includes an integrated portal imaging detector option. The imaging sub-system allows position verification of organ attenuators, used during AP/PA total body irradiation treatments.



## Features

- Couch and imaging system interlocks integrated with TBI unit
- Foot brake
- Hand control
- Motorized vertical motion of the couch
- Motorized horizontal motion of the imaging panel
- Imaging console PC with customized GUI software, including patient database
- Tabletop accessory rails and adjustable attenuator trays
- Movable couch

## Technical Specifications: Patient Couch

Couch dimensions (length x width)	240 cm x 78.5 cm
Table top position (from floor)	64 cm to 18 cm
Imaging Sub-System	41 cm x 41 cm a-Si detector
Electrical power ratings	115 V at 60 Hz or 230 V at 50 Hz 1000 VA



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Krishnan Suthanthiran  
President, Best Medical International

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