

Best[®]
Theratronics

Based on the
Phoenix platform



GammaBeam[™]
saving lives

GammaBeam[™]
100-80

EXTERNAL BEAM GAMMA TELETHERAPY SYSTEM



An Economic Solution to Universal Care

At Best Theratronics we design products and solutions that help medical professionals treat cancer. Our products are used throughout the world to deliver radiation treatments. We are best known for the GammaBeam Teletherapy treatment systems using Cobalt-60. We have over 50 years of experience in designing, manufacturing, installing, and servicing Cobalt-60 based external beam systems. Over that time we have installed more than 1,500 GammaBeams and supply over 80% of the world's gamma based external beam systems. Today these machines deliver 45,000 treatments per day.

The GammaBeam 100-80 is the newest member of the GammaBeam line, a new design based on the reliable Theratron Phoenix that offers more functionality, safety and improved user interface. Its basic design makes it simple to use and easy to maintain while maximizing reliability where service support is limited. Moreover, the compact control console makes basic functions intuitive, thereby reducing the complexity of operator training while augmenting its patient treatment capacity.

The GammaBeam 100-80 truly does provide universal access to cancer care, which is our mission: to succeed in make healthcare affordable and accessible for all. Best Theratronics and all TeamBest companies are committed to being your Single-Source Oncology Solutions Provider with a wide array of best-in-class products for both your external beam gamma teletherapy and brachytherapy needs.

Reliable

GammaBeam 100-80 is an evolution of the Theratron / GammaBeam line of treatment devices and through our years of development and servicing we have gained the knowledge to build robust and reliable units. The elegant yet simple design results in a more reliable system that will offer more up-time than expected with comparable devices.

Intuitive

The use of a new graphical touch screen user interface makes the entry of treatment parameters logical and easy. Interlock messages are clearly displayed and easily interpreted to allow for rapid correction of incorrect settings. System messages are presented in a clear understandable form. The service screen displays the status of the machine to provide a simple method to troubleshoot the system.

Safe

The Interlock system along with the IEC design standards used to develop the GammaBeam 100-80, make the system safe and reliable. The seamless battery back-up included allows for continued treatment for an additional 4 hours after loss of power.

Efficient

The GammaBeam 100-80 if required can include a Beamstopper to help with room shielding. Best Theratronics can provide the highest activity sources in the industry resulting in an output of 390 cGy per min at 80 cm. The high activity sources allow for faster treatment times, which improve throughout.

GammaBeam 100-80™

A treatment device that fights cancer, not your budget



Affordable

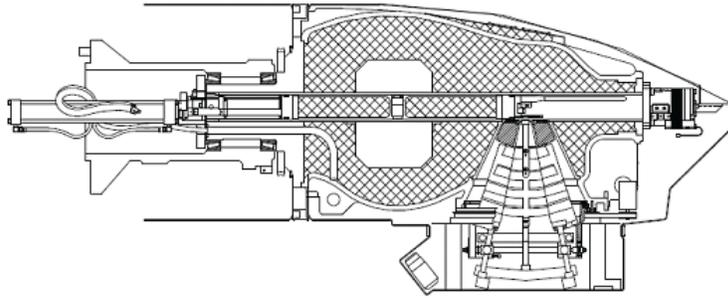
The cost of ownership of a GammaBeam 100-80 is less than other comparable devices due to the stability of the source, its minimal power requirements and its simple design. Since the source does not vary in energy, symmetry or flatness, the amount of Quality Assurance required to ensure a “good beam” is dramatically reduced. The GammaBeam 100-80 operates with normal electrical power and does not need a special cooling system, thereby reducing the operational cost of the unit. Its simple design means

that owning and operating a GammaBeam 100-80 will be less expensive and more efficient than other competitive models.

Advanced

GammaBeam 100-80 has an asymmetrical collimator that allows the jaws to move independently, providing more freedom in treatment planning. Each jaw can also travel to the source axis position allowing for specialized treatments.

Advanced Gamma Therapy

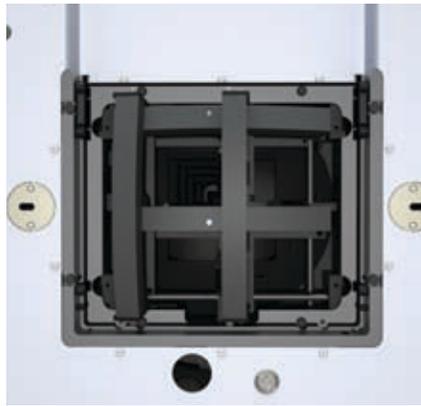


The design of the GammaBeam 100-80 head meets the international standards for source shielding, radiation transmission and radiation leakage. The dual control system monitors the source position and automatically retracts the source if a problem with source travel or position is detected. Operators and patients can feel confident that the GammaBeam 100-80 has been designed with their safety in mind.



Treatment Table 27M

The GammaBeam 100-80 is supplied with our Treatment Table 27M. Its vertical motion is motorized with a digital display scale. All other motions are manual featuring locking lever controls and positional scales.



Features

- IEC compliant
- Dual treatment timer
- 1.5 or 2 cm diameter high activity sources
- 390 cGy/min at 80 cm
- Asymmetric Collimator
- Field size from 1 x 1 cm to 35 x 35 cm
- Minimum individual jaw setting of 0 cm
- Physical Wedges (15, 30, 45 and 60 degrees)
- Wedge and Block Code Interlock
- Beam Stopper Option
- Graphical touch screen data entry interface
- Service Diagnostics
- Ergonomic Hand Control
- Motorized vertical table drive
- Only 200 W average power consumption
- Battery backup for up to 4 hours operation
- Head Swivel

System Status

Fully Shielded:	Active	Battery Level:	OK
Just Shielded:	Inactive	Air Pressure:	OK
Fully Exposed:	Inactive	Gantry Drive:	Inactive
Gantry Off-Shield:	Inactive	Table Drive:	Inactive
Head Lock:	Locked		
AC Power:	Down	E-Stop Loop:	Closed
Inhibit Rst Keyswitch:	Inactive	Treatment Room Door:	Closed
Treat Button:	Inactive	User Switch:	Closed
Hand Control Enable:	Inactive		

Back Digital 1 Digital 2 Analog Comms

Status: **Data Entry** Interlocks: **TPRM**



Healthcare For Everyone

Best® Theratronics' products and services are used throughout the world to prevent, diagnose and treat disease. Our applied research and innovation play an integral part in improving global healthcare.

“Our TeamBest® companies are committed to making quality healthcare affordable and accessible globally.”

Krishnan Suthanthiran
President, Best Medical International

Best® Theratronics Ltd. is a member of TeamBest®
– a family of Best® Medical companies.

From brachytherapy seeds and equipment, dosimetry kits, phantoms, treatment planning systems, an array of medical/health physics equipment, and product remanufacturing/servicing, to radioactive sources, gamma teletherapy machines, cyclotron systems, and particle therapy treatment, TeamBest® has it all!

Check out each company's site at www.teambest.com

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