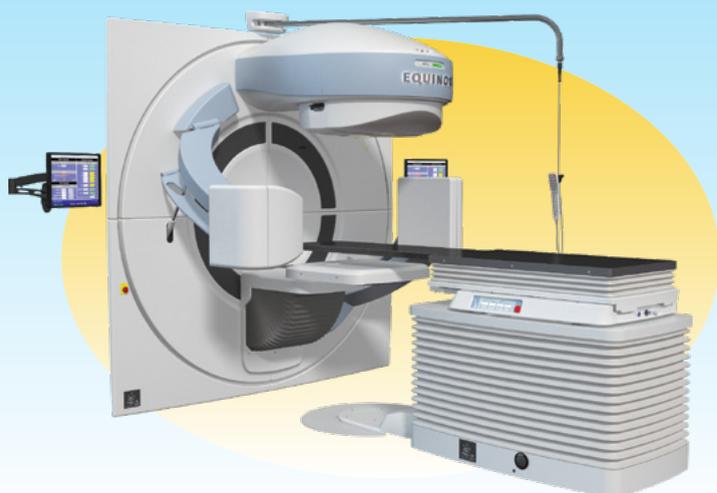


Best™ Integrated Radiotherapy Solutions



Best™ GammaBeam™ 100-80 CM, 300-100 CM Equinox™ Teletherapy System with Avanza 3D/6D Patient Positioning Table

The **GammaBeam™ 100-80 CM, 300-100 CM Equinox™** is an evolution of the Theratron line of treatment devices. The advanced design provides freedom in treatment planning and can interface to all of the major record/verify systems to allow for rapid treatment parameter loading, treatment set-up verification and the recording of delivery.

NEW! Multi-Leaf Collimator for 80 and 100 cm SAD units— IMRT, IGRT, SRS, SBRT and Tomotherapy capable with ActiveRx

- **Machine Verification:** Parameters Set and Actual are continually monitored by the machine to ensure accuracy.
- **Asymmetric Jaws:** Partial fields capable without manual blocking. This feature saves time and reduces the handling requirements of manual block trays.
- **Auto Setup:** One-button setup and patient loading decreases the time required to prepare patients for treatments.
- **Motorized Wedges:** 60° Wedge moves in and out of field allowing therapists to block fields simply and effortlessly.



Comparative Analysis of ⁶⁰Co Intensity-Modulated Radiation Therapy

Christopher Fox, H Edwin Romeijn, Bart Lynch, Chunhua Men, Dionne M Aleman, and James F Dempsey

Phys Med Biol. 2008 Jun 21;53(12):3175-88.

Abstract: In this study, we perform a scientific comparative analysis of using ⁶⁰Co beams in intensity-modulated radiation therapy (IMRT). In particular, we evaluate the treatment plan quality obtained with (i) 6 MV, 18 MV and ⁶⁰Co IMRT; (ii) different numbers of static multileaf collimator (MLC) delivered ⁶⁰Co beams and (iii) a helical tomotherapy ⁶⁰Co beam geometry. ... The results of the investigation demonstrate the potential for IMRT radiotherapy employing commercially available ⁶⁰Co sources and a double-focused MLC. Increasing the number of equidistant beams beyond 9 was not observed to significantly improve target coverage or critical organ sparing and static plans were found to produce comparable plans to those obtained using a helical tomotherapy treatment delivery when optimized using the same well-tuned convex FMO model. While previous studies have shown that 18 MV plans are equivalent to 6 MV for prostate IMRT, we found that the 18 MV beams actually required more fluence to provide similar quality target coverage.



For the full article, please visit www.gammatherapy.com

Best™ Integrated Brachytherapy Solutions



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BestMick Applicator



BestMick 10/15/20/25 Cartridges



Best™ Kobold Tandem & Ring Applicator



Best™ Kobold Fletcher Tandem & Ovoid Applicator



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Best™ Breast Double-Balloon Brachytherapy Applicator

Best™ Flexi Needles



15G Flexi Needle



16G Flexi Needle



17G Flexi Needle



15G Flexi Needle with SS Sleeve (Click Fit)



Flexi Needle with Female Hub



Best™ X-ray Marker Cables

Best™ Brachytherapy Kit



5 Friction Cuffs



5 Half Moon Buttons*



5 Red Caps



5 Implant Needles

5 Stylets with Hubs

5 Single Leader Catheters**

*Half Moon Buttons are available in either radiopaque (pictured above) or clear nylon. **Catheter tubes are available in purple, green, yellow, clear or blue with either radiopaque or clear nylon buttons.

GammaBeam™ 500 Total Body Irradiator System and Patient Positioning Couch



The **Total Body Irradiator GammaBeam™ 500** is a teletherapy unit designed to produce a large fixed rectangular radiation field at an extended source-to-skin distance in order to deliver total body irradiation. The unit can also be used for research and dosimetry purposes. Features include: dose rate up to 40 cGy/min at 2.5 m in air, record and verify and imaging capabilities, graphical touch screen data entry interface and motorized vertical motion of the head.

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.



- 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



BDS
Extremity
Ring
Dosimeters



BDS Whole
Body
Dosimeters

mobileMOSFET Wireless
Dosimetry System



Portable
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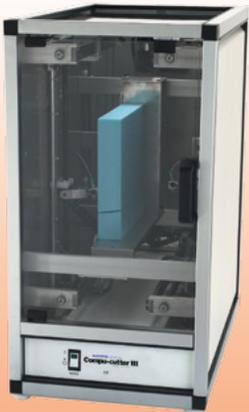
Huestis Warming Oven



Fixed Red or Green Diode Lasers



Huestis Collimators



Compu•Cutter® III



Best™ Universal Chair/Table

Radiotherapy Calipers



Flexi•holder



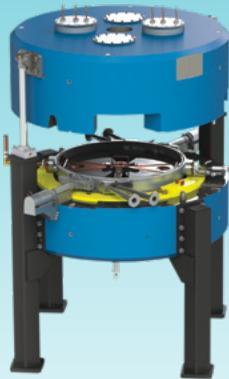
Styro•former



Huestis SimNT10 DIGITAL

Best™ Cyclotron Systems

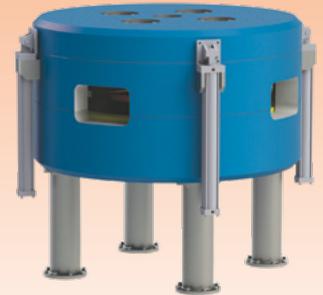
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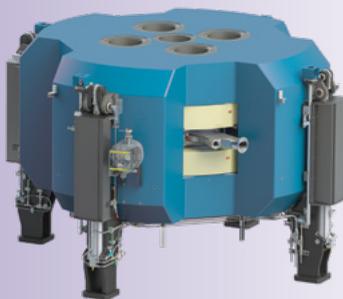
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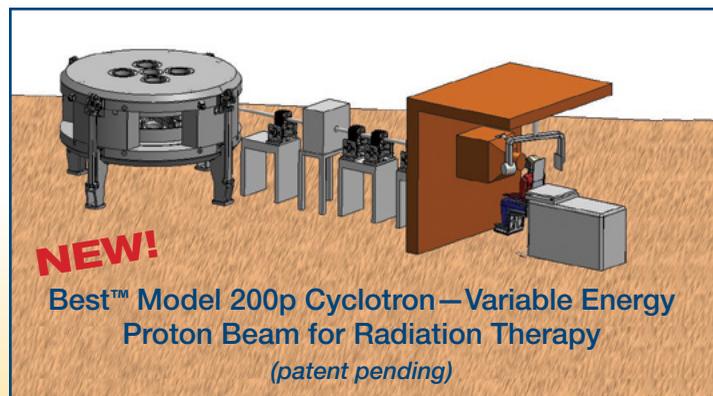
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Installation of B70 MeV Cyclotron at INFN, Legnaro, Italy.



Best™ Particle Therapy 400 MeV ion Rapid
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*Certain products shown are not available for sale currently.

The Future of Flash Radiation Therapy

Flash Therapy, first known as Intra Operative Radiation Therapy (IORT), was initiated in the late 1960s by doctors in Japan. IORT is now commonly referred to as Flash Therapy. Doctors in Japan performed the surgery and radiation therapy in two separate locations.

In 1975, at Howard University Hospital in Washington, DC, **the late Dr. Ulrich K. Henschke and his team—which included Dr. Krishnan Suthanthiran, President/Founder of TeamBest Global Companies—became the first to perform both procedures in the same room, advancing Flash Radiation Therapy.**

TeamBest Global Companies plan to introduce a new version of the IORT System/Flash Therapy, utilizing a robot. It's noteworthy that this is the first time a robot has been used, and Best Medical International holds a patent for this Robotic Electron Linac.

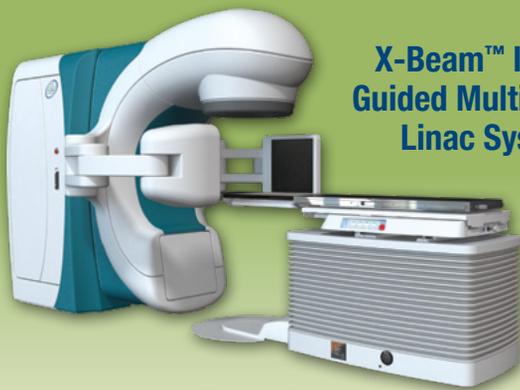
Please visit www.teambest.com to find out more.



FLASH THERAPY IN 1975



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