

**TEAMBEST GLOBAL**

# Welcome to Our World

*Ready to serve all your needs globally*



**NON-PROFIT**

• **Best Cure Foundation**  
www.bestcure.md

• **Brachytherapy Research & Educational Foundation**  
www.brachytherapy.org

• **Global Best Cure Foundation**  
www.globalbestcure.org

**FOR-PROFIT**

• **Arplay Medical**  
www.arplay.com

• **Best ABT**  
www.bestabt.com

• **Best Automation & Robotics**  
www.teambestautomation.com

• **Best Cyclotron Systems, Inc.**  
www.bestcyclotron.com

• **Best Dosimetry Services**  
www.bestdosimetry.com

• **Best Entertainment**  
www.bestentertainment.ca

• **Best Medical Canada**  
www.bestmedical.ca or  
www.mosfet.ca

• **Best Medical Capital, Inc.**  
www.teambest.com

• **Best Medical International**  
www.bestmedical.com

• **Best NOMOS**  
www.nomos.com

• **Best Particle Therapy**  
www.bestproton.com

• **Best Theratronics**  
www.theratronics.com

• **Best Vascular (Novoste)**  
www.bestvascular.com or  
www.novoste.com

• **CNMC Company**  
www.cnmcco.com

• **Huestis Medical**  
www.huestis.com

• **Kitsault Energy**  
www.kitsaultenergy.com

**WWW.TEAMBEST.COM**



SOURCE: MECTEEN.COM



Best™ Gammacell®  
40 Extractor Research  
Irradiator



Best™ Gammacell®  
1000/3000 Blood  
and Research  
Irradiator

**Best™  
Theratronics**  
A TEAMBEST GLOBAL COMPANY



Best™ Raycell  
Mk1 Blood  
and Research  
Irradiator



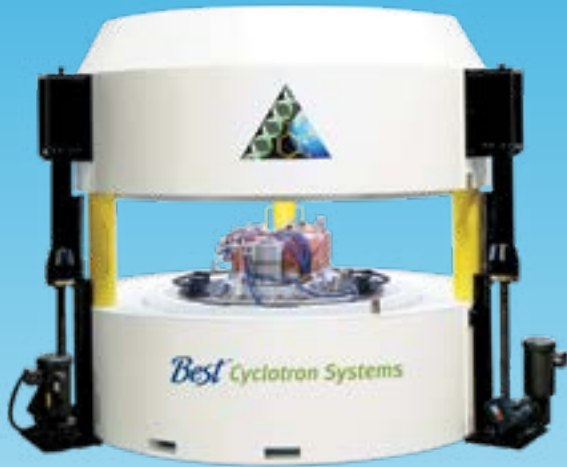
Best™ Raycell  
Mk2 Blood  
and Research  
Irradiator



Raycell® X40  
Research  
Irradiator

# Best™ Cyclotron Systems

A TEAMBEST GLOBAL COMPANY

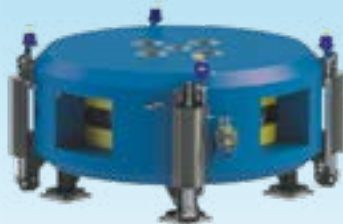


## Best™ Model BG-95

Sub-Compact Self-Shielded Cyclotron for production of  $^{18}\text{F}$ FDG,  $\text{Na}^{18}\text{F}$ ,  $^{18}\text{F}$ -MISO,  $^{18}\text{F}$ FLT,  $^{13}\text{N}$   $^{18}\text{F}$ -Choline,  $^{18}\text{F}$ -DOPA,  $^{18}\text{F}$ -PSMA,  $^{13}\text{N}$  and more



Best Model 6-15 MeV Compact High Current/Variable Energy Proton Cyclotron



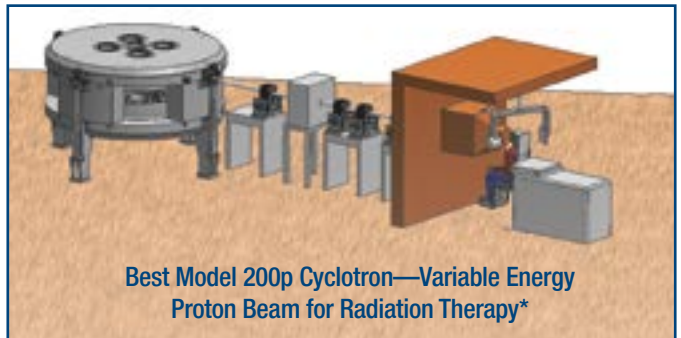
Best Model 70p Cyclotron for Radioisotopes Production and Research



Best Particle Therapy 400 MeV ion Rapid Cycling Medical Synchrotron (iRCMS)

Cyclotrons of Varying Energies		
MODEL	ENERGY	DESCRIPTION
B100	7.5 MeV	<ul style="list-style-type: none"> <li>Capable of producing: <math>^{18}\text{F}</math>FDG and <math>\text{Na}^{18}\text{F}</math></li> <li>Single or batch dose production</li> <li>Integrated self-shielded cyclotron, chemistry module and FDG QC module</li> <li>Complete production lab in a 5 x 5 meter area</li> </ul>
BG-95	1-9.5 MeV	Low energy, self-shielded compact system capable of producing: $^{18}\text{F}$ FDG, $\text{Na}^{18}\text{F}$ , $^{18}\text{F}$ -MISO, $^{18}\text{F}$ FLT, $^{18}\text{F}$ -Choline, $^{18}\text{F}$ -DOPA, $^{18}\text{F}$ -PSMA, $^{13}\text{N}$ and more
Best Cyclotrons	1-3 MeV	Deuterons for materials analysis*
	70-200 MeV	For Proton Therapy*
	3-90 MeV	High current proton beams for neutron production & delivery*
B6-15	1-15 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B25	20, 15-25 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B25u-35adp	25-35 MeV	Proton or alpha/deuteron/proton, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B35	35 MeV	Proton only system for medical radioisotopes production
B70/70adp	35-70 MeV	Proton only or alpha/deuteron/proton systems, capable of high current up to 1000 Micro Amps, for medical radioisotopes

\*Some products are under development and not available for sale currently.



Best Model 200p Cyclotron—Variable Energy Proton Beam for Radiation Therapy\*

\*Patent pending

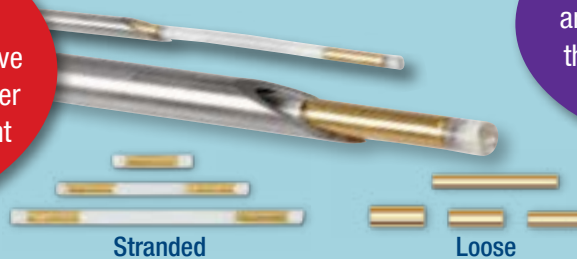
# Why Medical Physicists, Radiation Oncologists and Urologists Prefer Best™

## Go for the Best™ for your patients!

You don't go to a shoe store and cut your feet to fit the shoe they have in stock ... then why compromise when it comes to improving the clinical outcome for your patients?

"A unique aspect of the Best™ seed is its 5 mm length. Best also provides 5 mm laser-cut spacers, which do not have flared edges. With the Best® seed/spacer combination, we can be more confident of accurate seed placement." <sup>1</sup>

### Best™ Fiducial Markers



"The source strengths of Best™ seeds are uniformly distributed and the values always fall within the  $\pm 3\%$  criterion." <sup>3</sup>

"Best™ Model 2301 seeds are of superior design as they show up more distinctly in transverse ultrasound and fluoroscopic images." <sup>3</sup>

"Best™ Model 2301 characteristic x-rays have no significant effect on the photon spectrum and the source emits an essentially pure I-125 decay scheme spectrum." <sup>2†</sup>

### Best™ Localization Needles with I-125 Seeds



"Best™ Model 2301 is the most isotropic of all the I-125 sources currently available. The source is a double encapsulated source." <sup>2</sup>

### Best™ Palladium-103 Seed



### Best™ Iodine-125 Seed



"Delivery of the specific Sk for any given date, delivered on the date requested prior to the procedure. Extremely high level of flexibility, e.g. seed date changes, activity changes, etc. Prompt, courteous customer service, and low price." <sup>4</sup>

<sup>1</sup>Communication from J. Limmer, UW Cancer Center Wausau Hospital, Wausau, Wisconsin – Dated December 14, 2000. <sup>2</sup>B.H. Heintz, R.E. Wallace & J.M. Hevezi, Med. Phys. 28(4) 671-682 (2001). <sup>3</sup>Communication from Khai Lai, Kreiton Oncology Services Shoreline, Washington – Dated March 8, 2001. <sup>4</sup>Jeff Limmer, Medical Physicist.

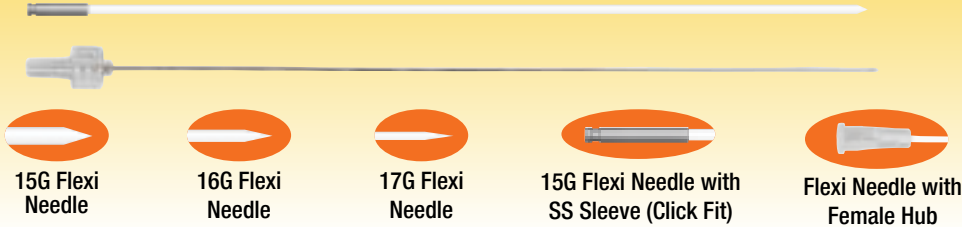


Best Medical is the **only** company that makes custom seeds and strands to your exact specifications—any source, any configuration, any time!



## Best™ Integrated Radiation Therapy Solutions

### Best™ Flexi Needles



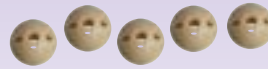
### Best™ Stepper/ Stabilizer



### Best™ Brachytherapy Kit



5 Friction Cuffs



5 Half Moon Buttons\*



5 Red Caps

5 Implant Needles

5 Stylets with Hubs

5 Single Leader Catheters\*\*

### BDS Whole Body Dosimeters



\* 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.

## Best™ ABT Molecular Imaging



### Best™ B35ADP

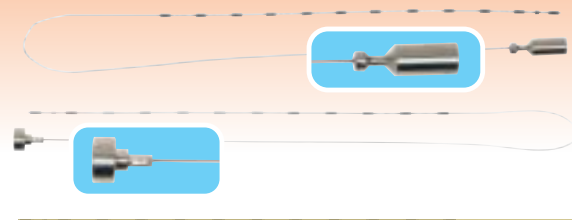
Alpha/Deuteron/Proton Cyclotron

- **Proton Particle Beam:**  
1000  $\mu$ A Beam Current  
up to 35 MeV Energy
- **Deuteron Particle Beam:**  
500  $\mu$ A Beam Current up  
to 15 MeV Energy
- **Alpha Particle Beam:**  
200  $\mu$ A Beam Current  
up to 35 MeV Energy

### BDS Extremity Ring Dosimeters



### Best™ X-ray Marker Cables



# Best™ Integrated Radiation Therapy Solutions

Best Medical is the only company that makes custom seeds and strands to meet your exact specifications—shipped within **24 hours, 7 days a week, sterile and non-sterile!**

*You don't go to a shoe store and cut your feet to fit the shoe they have in stock—then why compromise when it comes to improving the clinical outcome for your patient?*



**Best™**  
**medical international**  
A TEAMBEST GLOBAL COMPANY

**Best™ vascular**  
**Novoste**

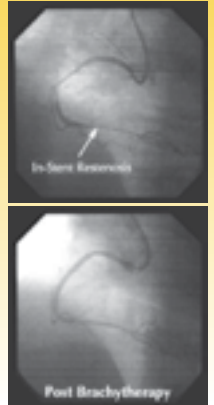
**Vascular Brachytherapy for In-stent Restenosis**

**VBT Designed for the Cath Lab**



- Convenient and Minimal Dosimetry Calculations
- Portable and Reusable
- Compatible with 6F Guide and 7F Guide-Extending Catheters
- Short Treatment Time

**Available in 30 mm, 40 mm & 60 mm Source Train Lengths**



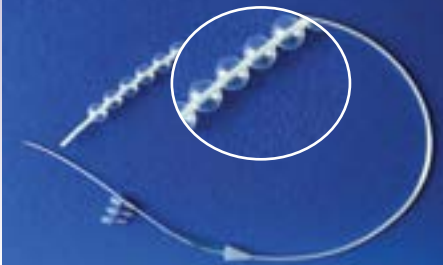
Best™ Localization Marker Ribbon



Best™ Localization Marker Cable



BestMick Applicator and 10/15/20/25 Cartridges



Best™ Esophageal Brachytherapy Applicator



Best™ Breast Double-Balloon Brachytherapy Applicator



Huestis Fixed Lasers—Red or Green Diode



Huestis CVO-2000 Warming Oven for Thermoplastics

mobileMOSFET Wireless Dosimetry System

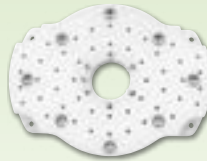


Portable Dosimetry System

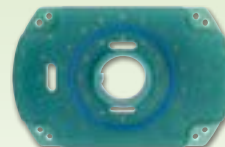
## Best™ Integrated Brachytherapy Solutions

### Best™ Syed Templates

Best Medical offers a wide variety of disposable templates for HDR and LDR applications. Specify hole size when ordering (15, 16 or 17 gauge). These products should be carefully inspected by your staff prior to clinical use and should be used by authorized personnel only.



GYN Template  
(Reusable)



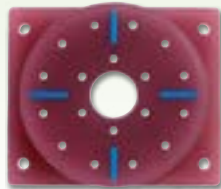
GYN Template  
(Disposable)



Modified GYN Template  
(Disposable)



LDR Prostate Template  
(Disposable)



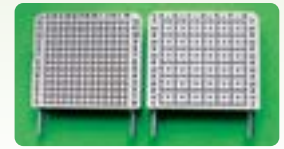
HDR Prostate Template  
(Disposable)



Rectal Template  
(Disposable)



Modified Rectal Template  
(Disposable)



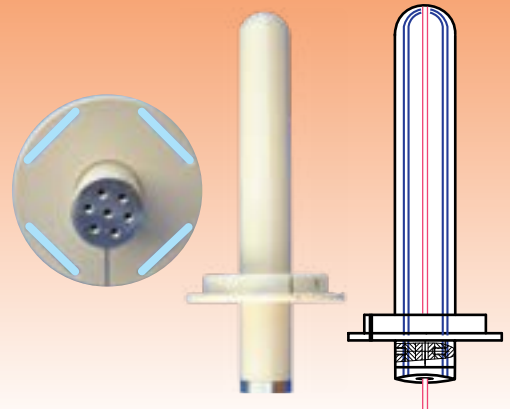
Grid Template for B-K type  
Stepper/Stabilizer\* (Disposable)

### Best™ Syed Multi-Channel Vaginal Applicator

This novel HDR applicator consists of a disposable central insert and an outer sleeve along with a positioning collar. Source channels travel fully to the distal end, curving around to give more dose to the apex area, allowing for optimum dose delivery.

Additionally, the outer sleeve provides a 5 mm wall, to reduce dose to the vaginal mucosa, with a 2 mm wall at the distal end of the applicator to allow for greater dose delivery. The applicator is 18 cm in length with diameters ranging from 2.0 cm to 3.5 cm.\*\*

\*BMI provides grid templates for all makes and models of steppers/stabilizers. \*\*All dimensions are approximate.



### BestMick Applicator and 10/15/20/25 Cartridges



Best™ Kobold Tandem  
& Ring Applicator

Best™ Kobold Fletcher  
Tandem & Ovoid Applicator

Best™ Kobold Henschke  
Tandem & Ovoid Applicator

### Best™ HDR Remote Afterloader

- Provides 20 channels for dose delivery
- Battery back-up in case of power failure and automated wire recovery
- Quick source replacement process — reduces down-time
- Available with Cobalt-60 or Iridium-192 sources. Also, Ytterbium-169 source available soon!



# Best<sup>™</sup> nomos<sup>®</sup> Cyber Sonalis<sup>®</sup> Ultrasound System



The Best<sup>™</sup> Cyber Sonalis<sup>®</sup> Ultrasound Imaging System provides superior visualization of HDR, LDR, RF or Cryosurgical procedures. Our patented SimulView<sup>™</sup> Technology provides simultaneous “live” views of the prostate in both planes, thereby increasing treatment accuracy and precision.



*\*Certain products shown are not available for sale currently.*

## Additional Features

- ✓ Capable of supporting over 20 different probe configurations, this system can be used in almost every discipline
- ✓ 21.5" touch screen technology
- ✓ Superior HD image resolution for improved procedure accuracy, speed and physician confidence level
- ✓ Patented probe design
- ✓ Sagittal array provides for 140 mm length of view encompassing the bladder, prostate and perineal tissue
- ✓ Advanced modular software design provides for future upgrade path
- ✓ Convertible to desktop or portable without losing any functionality
- ✓ Dual battery backup built-in to protect from power loss

## Sonalis<sup>®</sup> Transducers

We offer probes for the most common types of procedures and imaging, all with the enhanced image quality and high resolution that you would expect from the **BEST** name in ultrasounds!

8L2A Linear Array



15L4A Linear Array



9MC3 Curved Array



8BP4 Bi-Plane



12L5A Linear Array



16L5 Linear Array



8EC4A Endocavity



8TE3 Trans-esophageal



14L3 Linear Array



8V3 Phased Array



XY-BI-Plane Phased Array



Pedoff



15LW4 Linear Array



4V2A Phased Array



10EC4A Endocavity



16HL7 High Frequency Linear Array



15LA Linear Array



5C2A Curved Array

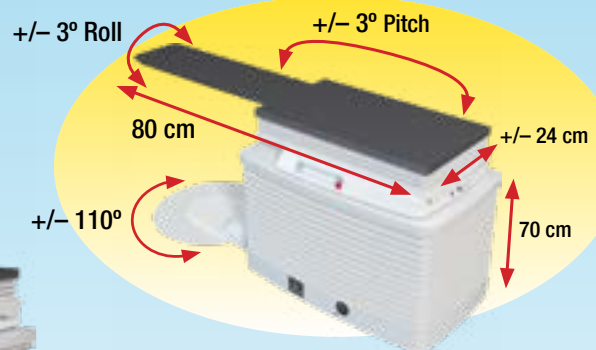


10BP4 Bi-Plane



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

Multi-Leaf Collimator (built in or external) for 80 and 100 cm SAD units—  
IMRT, IGRT, SRS, SBRT and Tomotherapy capable with ActiveRx



### UPGRADE KIT

For all old Theratron units, 80 or 100 cm including IMRT capabilities with built in or external MLC



#### Upgrade includes:

- Removing all old controls, electronics and installing a new control system and covers
- Replacing the old collimator system with the new Equinox collimator
- Replacing the old treatment table with the new Avanza™ Table
- Retaining the head rotation capability is optional

#### Upgrade features:

- Calculated Arc Speed
- Graphical Control System
- Asymmetric Jaws (optional)
- R&V System Ready (optional)
- Service Log Files
- On-Board Verification
- Motorized Wedge (optional)
- Collision Detection (optional)

## Comparative Analysis of <sup>60</sup>Co 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 <sup>60</sup>Co beams in intensity-modulated radiation therapy (IMRT). In particular, we evaluate the treatment plan quality obtained with (i) 6 MV, 18 MV and <sup>60</sup>Co IMRT; (ii) different numbers of static multileaf collimator (MLC) delivered <sup>60</sup>Co beams and (iii) a helical tomotherapy <sup>60</sup>Co beam geometry.



For the full article, please visit  
[www.gammatherapy.com](http://www.gammatherapy.com)