

Past, Present, and Future of

Radiation Therapy and Theranostics

PRESENTED BY
DR. KRISHNAN SUTHANTHIRAN





Welcome to Our World

TeamBest Global

www.teambest.com

Ready to serve all your needs globally

NON-PROFIT

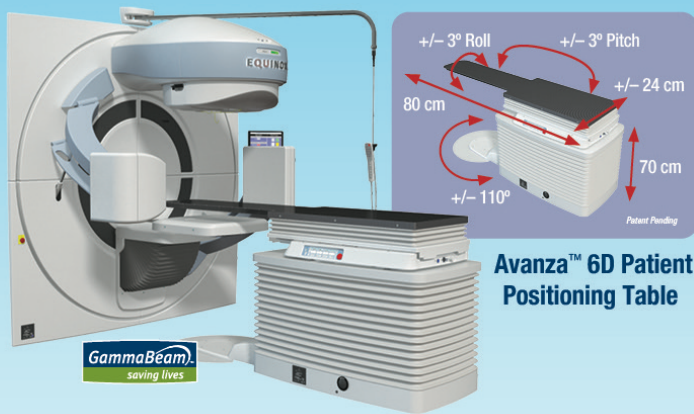
- **Best Cure Foundation**
www.bestcure.md
- **Brachytherapy Research & Educational Foundation**
www.brachytherapy.org
- **Global Best Cure Foundation**
www.globalbestcure.org

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



Avanza™ 6D Patient Positioning Table

Best GammaBeam™ 100/300 Equinox™ Teletherapy System with Avanza™ 6D Patient Positioning Table

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



**Best™ Gammacell® 1000/3000
Blood & Research Irradiator**



**Best™ Raycell Mk1
Blood & Research
Irradiator**

**Best™ Raycell
Mk2 Blood
& Research
Irradiator**



**Best™ Raycell
X40 X-ray
Research
Irradiator**



UPGRADE KIT for all old Theratron units, 80 or 100 cm including IMRT capabilities w/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

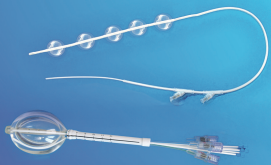
Upgrade features:

- 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)*

Best™ Theratronics, Ltd.

A TEAMBEST GLOBAL COMPANY • LOCATED IN OTTAWA, CANADA

Best™ Esophageal Brachytherapy Applicator



Best™ Breast Double-Balloon Brachytherapy Applicator

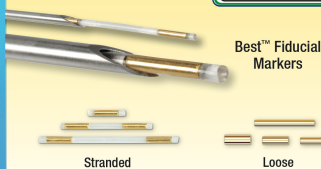
Best™ Palladium-103 Seed



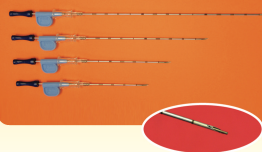
Best™ Iodine-125 Seed



Best™ Fiducial Markers



Best™ Localization Needles with I-125 Seeds



Best™ Treatment Planning System

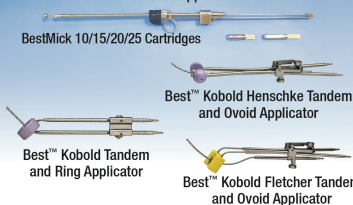


Best™ HDR Remote Afterloader
For all radioactive sources

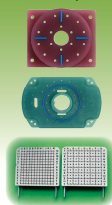


BestMick Applicator

BestMick 10/15/20/25 Cartridges



Best™ Templates



Portable Dosimetry System



mobileMOSFET Wireless Dosimetry System

Best™ Localization Marker Ribbon



Best™ Localization Marker Cable



Best™ Stepper/Stabilizer



Best™ Cyber Sonalis Ultrasound Imaging System



Novoste™ Beta-Cath™ 3.5 System

Best™ vascular
A TEAMBEST GLOBAL COMPANY



Best™ medical international
Best™ nomos®
TEAMBEST GLOBAL COMPANIES

Best™ Integrated Brachytherapy Solutions

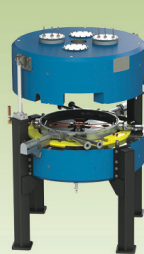
You don't go to a shoe store and cut your feet to fit the shoe they have in stock—then why compromise when it comes to improving the clinical outcome for your patient?

Best Medical 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!**



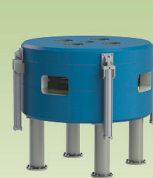
Best™ Model BG-95

SUB-COMPACT SELF-SHIELDED CYCLOTRON FOR PRODUCTION OF: ^{18}F FDG, Na^{18}F , ^{18}F -MISO, ^{18}F LT, ^{18}F -CHOLINE, ^{18}F -DOPA, ^{18}F -PSMA, ^{13}N AND ^{68}Ga

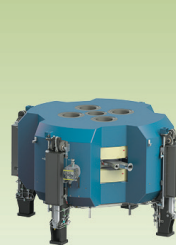


Best™ Model 15p

COMPACT HIGH CURRENT/VARIABLE ENERGY PROTON CYCLOTRON



Best™ Model B25p
CYCLOTRON



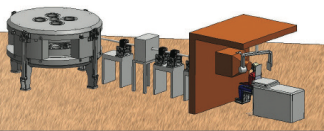
Best™ Model B35ADP
ALPHA/DEUTERON/PROTON
CYCLOTRON

Cyclotrons of Varying Energies

B100 CYCLOTRON	7.5 MeV	Capable of producing: ^{18}F FDG and Na^{18}F • Single or batch dose production • Integrated self-shielded cyclotron, chemistry module and FDG QC module • Complete production lab in a 5 x 5 meter area
BG-95 CYCLOTRON	1-9.5 MeV	Low energy, self-shielded compact system capable of producing: ^{18}F FDG, Na^{18}F , ^{18}F -MISO, ^{18}F LT, ^{18}F -Choline, ^{18}F -DOPA, ^{18}F -PSMA, ^{13}N and ^{68}Ga
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 and delivery*
B6-15 CYCLOTRON	1–15 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B25 CYCLOTRON	20, 15–25 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B25u–35adp CYCLOTRON	25–35 MeV	Proton or alpha/deuteron/proton, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B35 CYCLOTRON	35 MeV	Proton only system for medical radioisotopes production
B70/70adp CYCLOTRON	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
Variable Energy
Cyclotron
70-200 MeV for
Proton Therapy

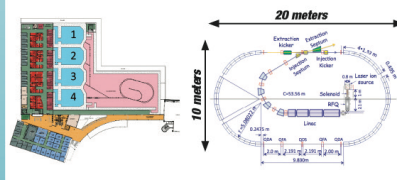


*Patent pending



Best™ Model 70 MeV
CYCLOTRON AT INFN, LEGNARO, ITALY

Ion Rapid Cycling Medical Synchrotron (IRCMS) 200-400 MeV Variable Energy for Proton to Carbon Heavy Ion Radiation Therapy



Best™ Cyclotron Systems
Best™ Theratronics, Ltd.

TEAMBEST GLOBAL COMPANIES

Turnkey solutions for
radioisotope production
in nuclear medicine

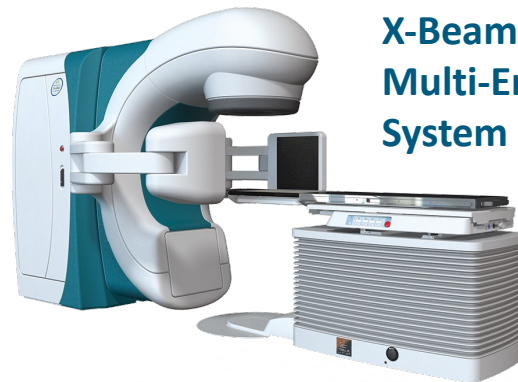
*Best*TM Teletherapy Solutions





**Flash Therapy
in 1975**

**Flash Therapy Now:
Robotic Flash
Therapy Electron
Linac System**



**X-Beam™ Image-Guided
Multi-Energy Linac
System**



**X-Beam™ Robotic
Radiosurgery
System**

*Best*TM *Brachytherapy Solutions*

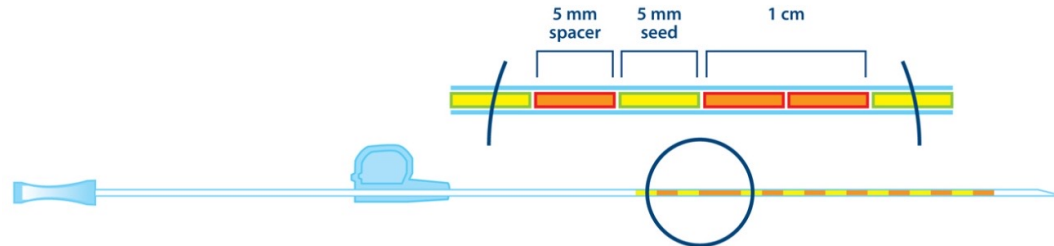
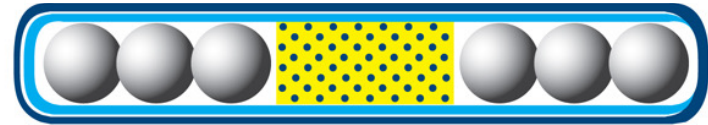


Best™ Seeds for Brachytherapy

Best™ Iodine-125 Seed



Best™ Palladium-103 Seed



Best™ Radiopaque Gold Marker Strands

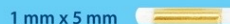
1 cm spaced (center to center)



2 cm spaced (center to center)



Stranded single markers

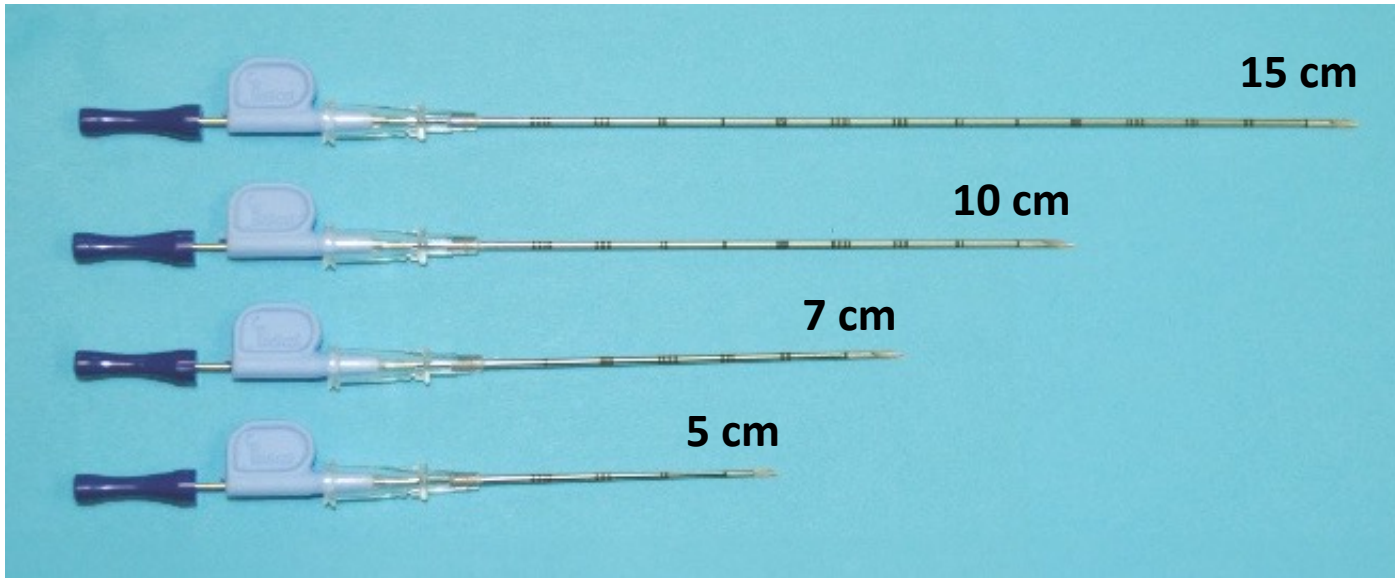


Custom strands and loose markers are also available!

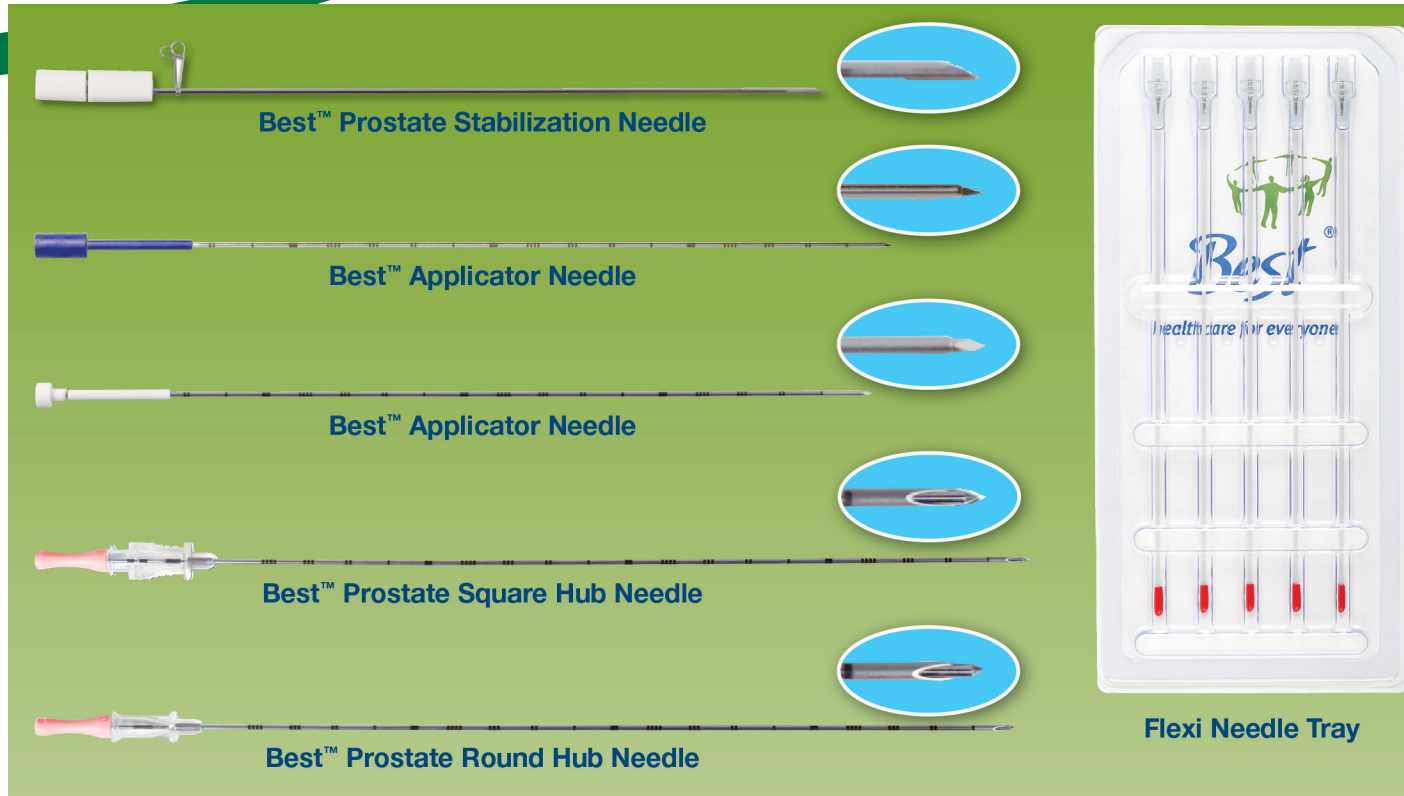
All strands pictured have been enlarged from actual size for ease of viewing.



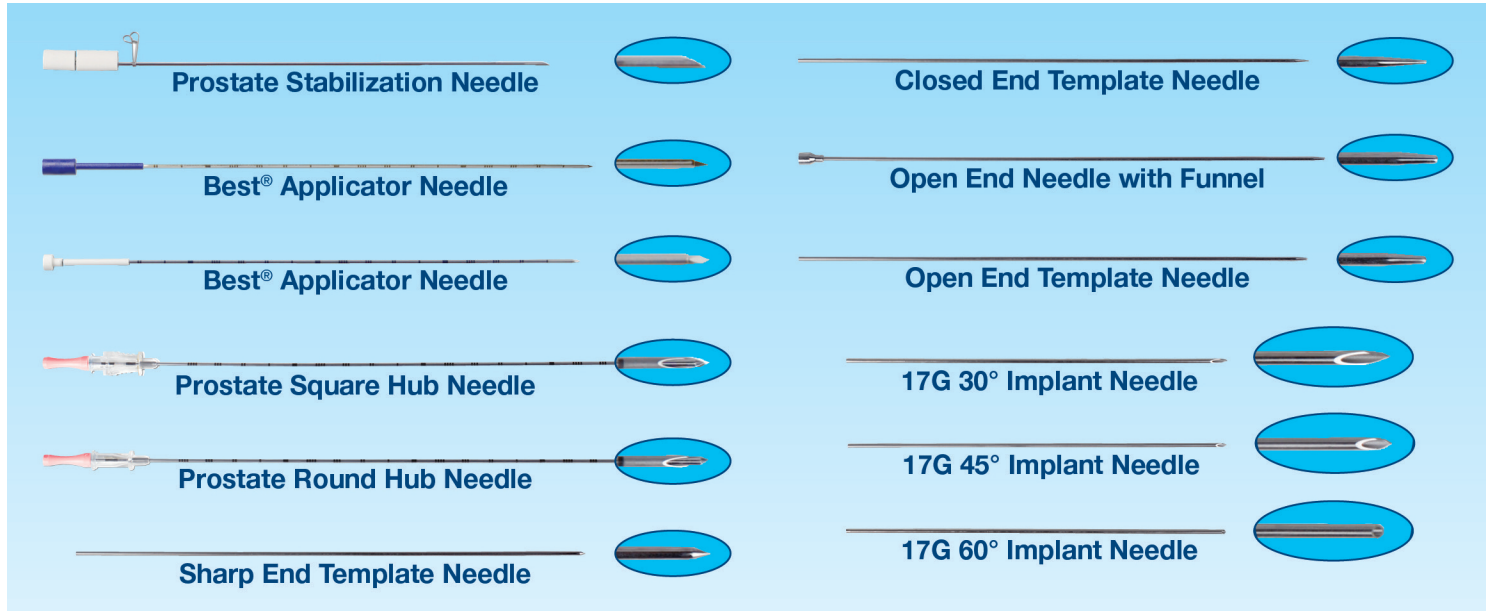
Best™ Localization Needles



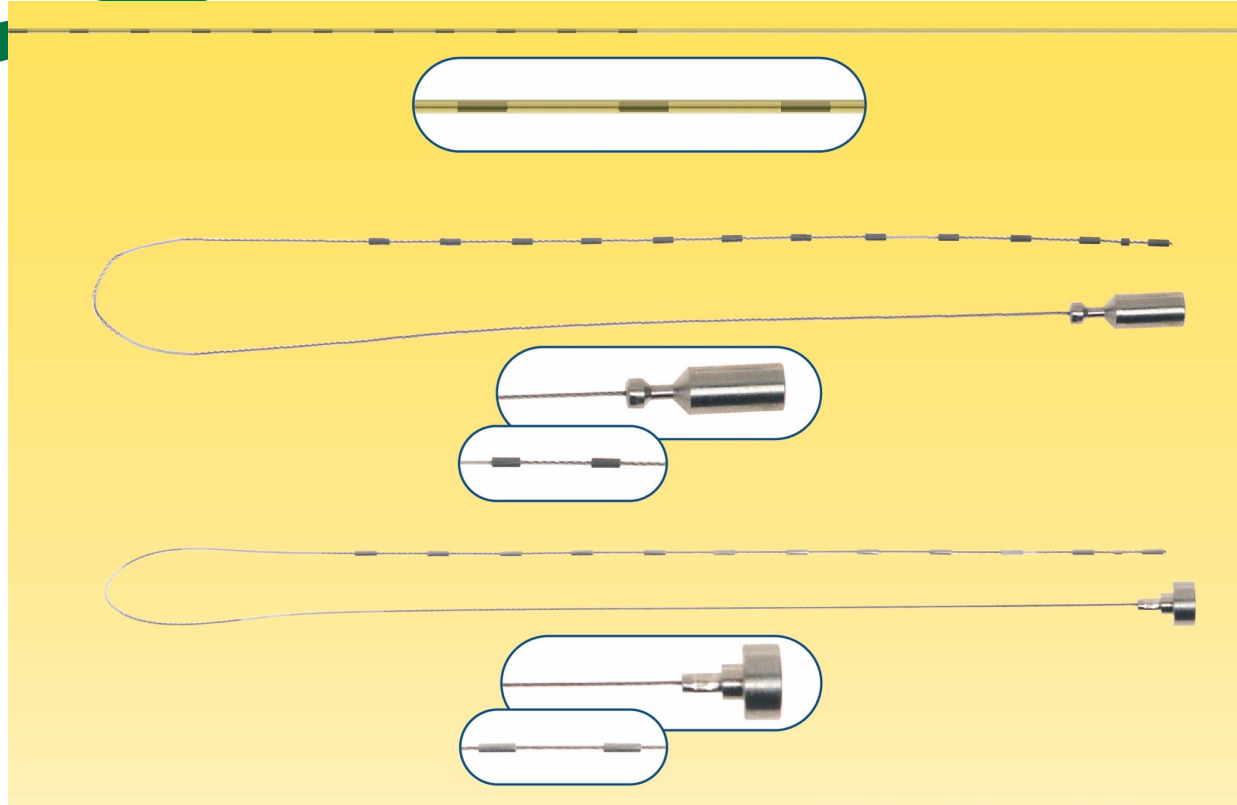
Best™ Flexi and Localization Needles



Best™ Brachytherapy Needles



Best™ LDR/HDR Accessories



Best™ Brachytherapy Kit for Interstitial Applications



5 Implant Needles



5 Stylets with Hubs



5 Single Leader Catheters*



5 Friction Cuffs



5 Half Moon Buttons**



5 Red Caps

* Catheter tubes are available in 5 colors (purple, green, yellow, clear or blue) with either radiopaque or clear nylon buttons.

** Half Moon Buttons are available in radiopaque (pictured) or clear nylon.

INTRACAVITARY AND INTERSTITIAL RADIATION THERAPY IN THE MANAGEMENT OF NASOPHARYNGEAL CANCERS

Ulrich K. Henschke MD, PhD 420 East 66th Street New York, N.Y. 10021

Invited paper and exhibit presented at the XII International Congress of Radiology in Tokyo, Japan, October 6-11, 1969. Based on clinical and experimental work carried out in cooperation with Basil S. Hilaris MD, John S. Lewis MD, David G. Mahan BA, and Felix W. Mick and supported in part by PHS grant CS 9369.

INTRACAVITARY APPLICATIONS

We have used intracavitary applications routinely in combination with external supervoltage radiation-therapy for the primary treatment of all nasopharyngeal cancers.

As in the treatment of cancer of the uterine cervix, this combination of intracavitary and external radiation results in a better dose distribution and permits a higher tumor dose. And only with the help of an intracavitary applicator is it possible to deliver to the cancerbearing portions of the nasopharynx a higher dose than to the normal portions.

Intracavitary applications have been greatly facilitated by the remote afterloader, which we first described in 1964. It has three small cobalt-60 sources, each one millimeter in diameter and 500 to 1000 millicuries. During the treatment, the patient remains in a well shielded room, and the sources are inserted by remote control from a separate control room into the previously positioned nasopharynx applicator.

For the patient, the remote afterloader provides greater comfort due to the short treatment times of 10 to 20 minutes. For the physicians and the technicians, it completely eliminates radiation exposure.

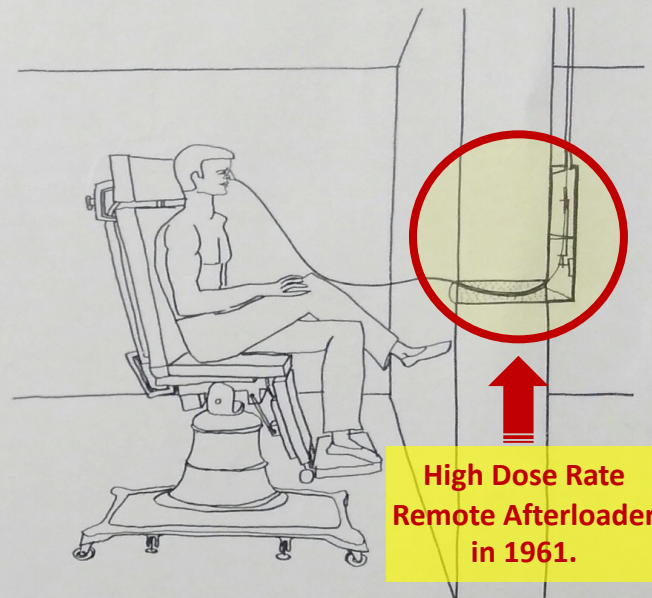


Fig. 1. Remote afterloading of intracavitary nasopharynx applicator.



Best™ High Dose Rate Remote Afterloader in 2025

Best™ Kobold High Dose Rate Applicators



**Best™ Kobold Tandem and
Ring Applicator**

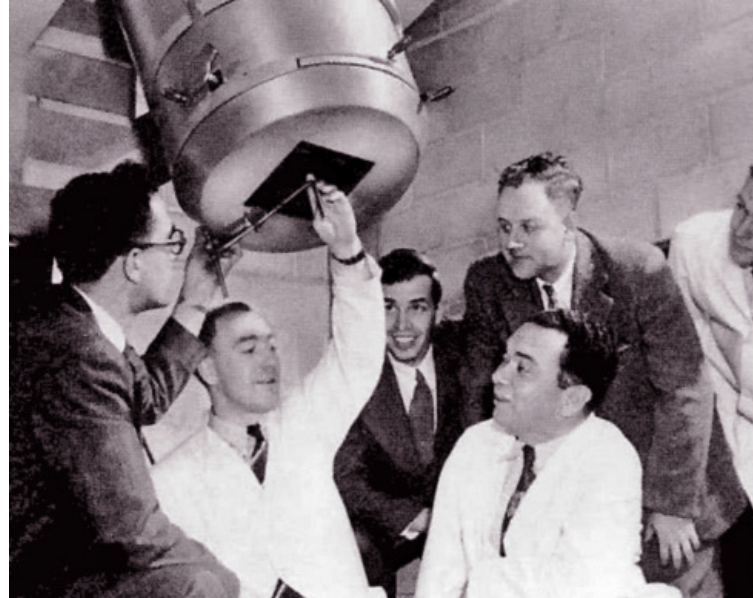
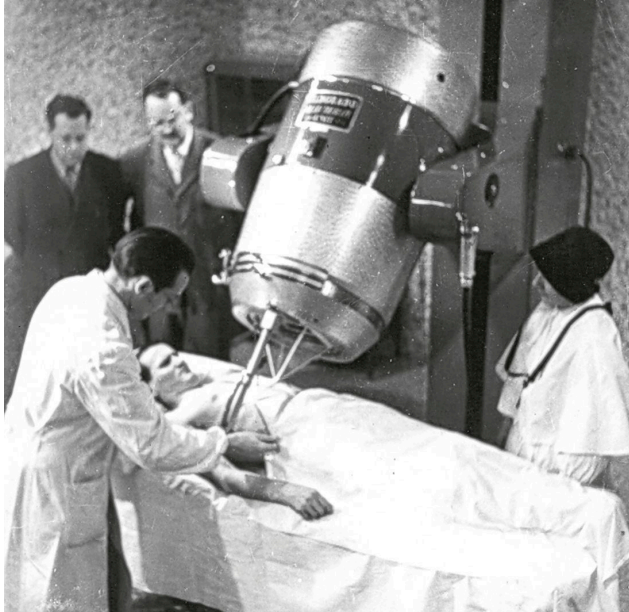


**Best™ Kobold Henschke Tandem
and Ovoid Applicator**



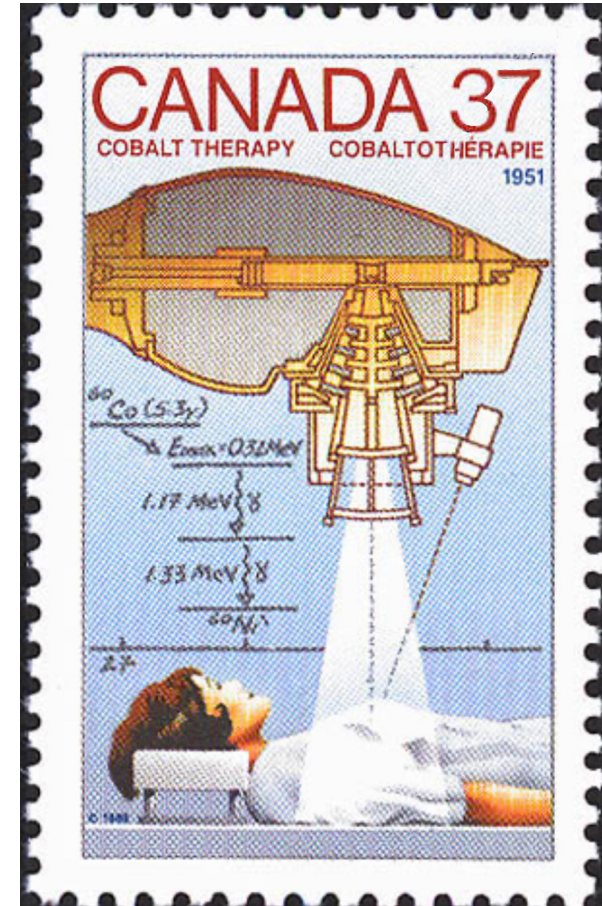
**Best™ Kobold Fletcher Tandem
and Ovoid Applicator**

External Beam Cobalt-60 Gamma Beam Radiation Therapy Unit in 1951



The Eldorado A at Victoria Hospital in London, Ontario in 1951.

The Canada Post issued a stamp commemorating the invention of the Cobalt-60 machine for External Beam Radiation Therapy for Cancer in Ottawa in 1951.



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

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



Avanza™ Patient Positioning Table

The Avanza™ Patient Positioning Table demonstrates a high level of stability and accuracy for treatment techniques that require precision.



UPGRADE Kit

for all old Theratron units, 80 or 100 cm including IMRT capabilities w/built in or external MLC

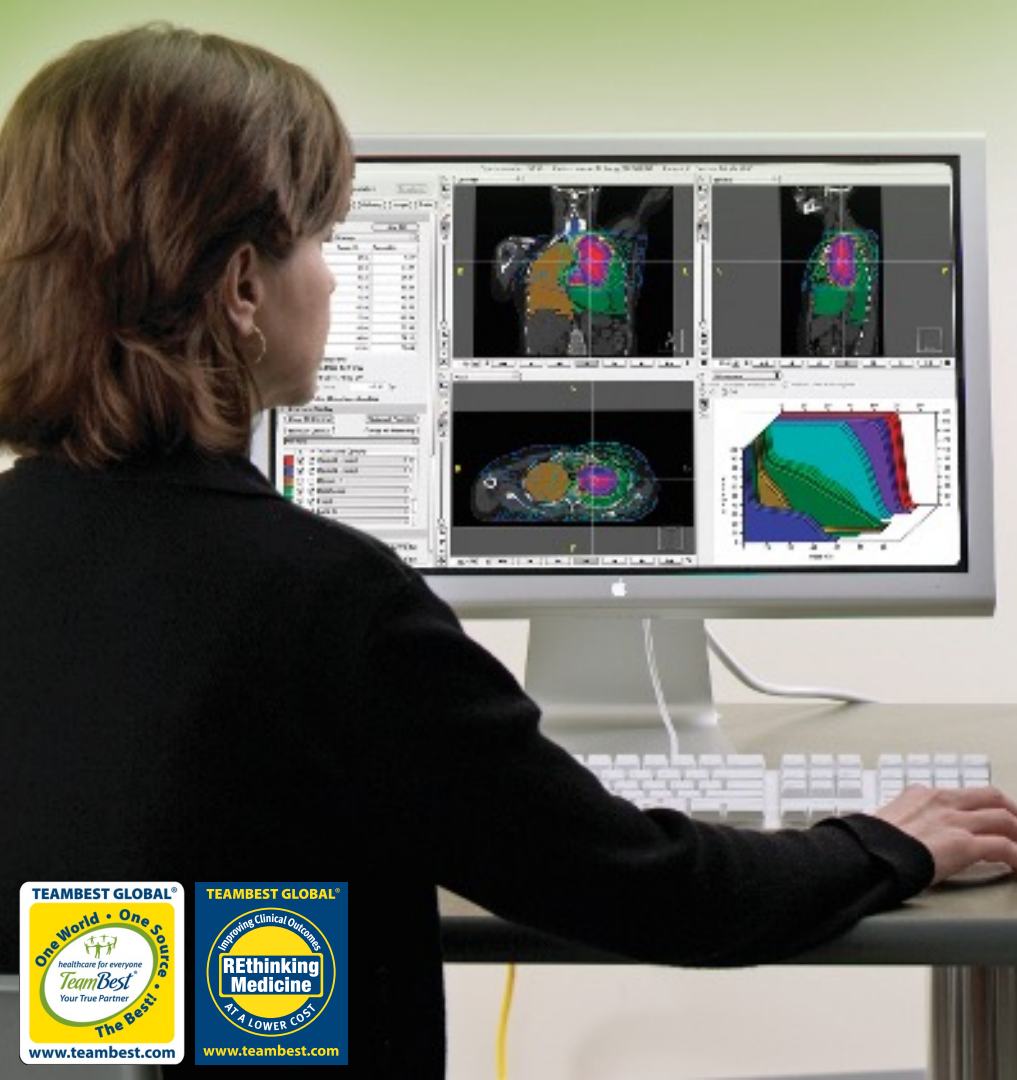


UPGRADE includes:

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

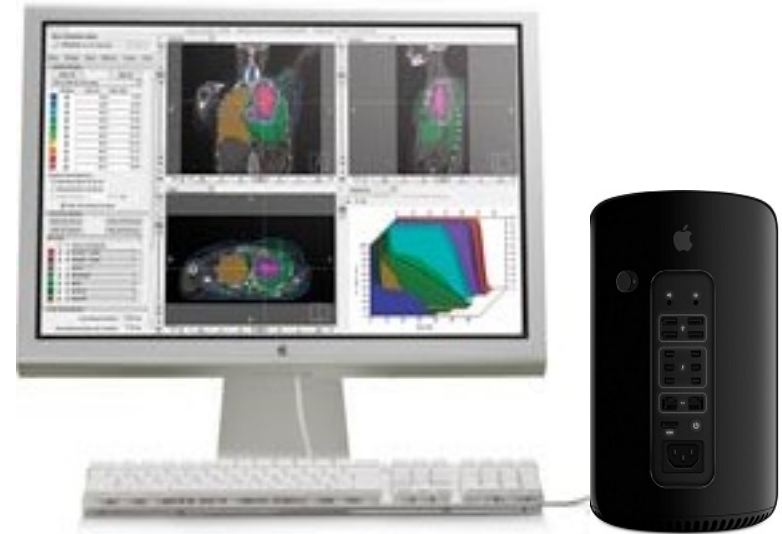
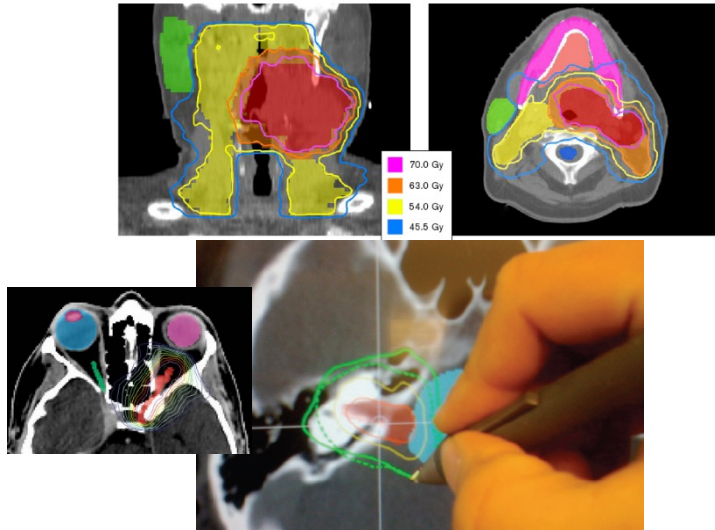
UPGRADE features:

- 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*)



Best[™] NOMOS Treatment Planning System (TPS) for Teletherapy and Brachytherapy

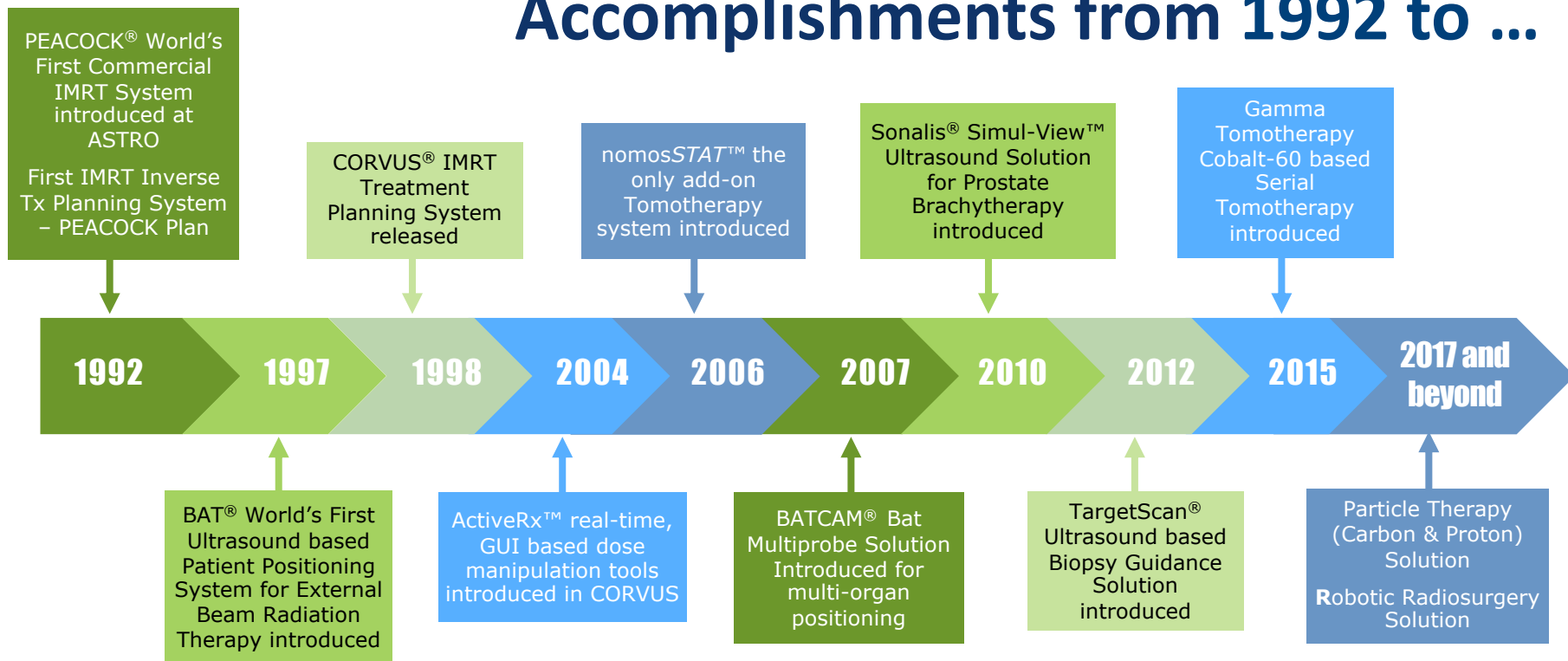
CORVUS[®] Treatment Planning System



The Integrated External Beam Treatment Planning System for LINAC and COBALT-60



Accomplishments from 1992 to ...



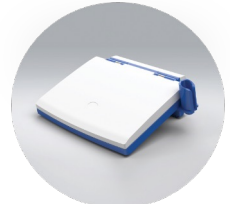
Best™ Ultrasound Imaging System



Best™ Cyber Sonalis Ultrasound Imaging System

- Patented probe design with simultaneous imaging of sagittal and transverse planes
- Longitudinal array provides for 140 mm length of view encompassing the bladder, prostate and perineum
- Superior HD Image resolution for improved implant accuracy, speed and physician confidence level
- Advanced drawing and editing tools which include user-defined line widths and colors for fiducial and anatomical markers
- Advanced modular software design provides for future upgrade path via in-house and independently developed technologies
- System converts from stand-based to desktop without losing any functionality
- Supports more than 20 probes of various geometries and use locations

For more information please visit:
<http://www.teambest.com/videos/Best-Nomos-Compact-Sonalis.mp4>



Sonalis[®] transducers

8L2A Linear Array

Applications: Arterial, Carotid, Vascular Access, Venous



12L5A Linear Array

Applications: Arterial, Breast, Carotid, Dialysis Access, Lung, Neonatal Hip, Nerve Block, Ophthalmic, Testes, Thyroid, Vascular Access, Venous



14L3 Linear Array

Applications: Arterial, Breast, Carotid, Dialysis Access, Lung, MSK, Neonatal Hip, Nerve Block, Ophthalmic, Testes, Thyroid, Vascular Access, Venous



15LW4 Linear Array

Applications: Arterial, Breast, Carotid, Dialysis Access, Lung, MSK, Neonatal Hip, Nerve Block, Ophthalmic, Testes, Thyroid, Vascular Access, Venous

Biopsy Kit Available



15LA Linear Array

Applications: Arterial, Breast, Carotid, Dialysis Access, Lung, MSK, Neonatal Hip, Nerve Block, Ophthalmic, Testes, Thyroid, Vascular Access, Venous

Biopsy Kit Available



15L4A Linear Array

Applications: Arterial, Breast, Carotid, Dialysis Access, Lung, MSK, Neonatal Hip, Nerve Block, Ophthalmic, Thyroid, Vascular Access, Venous



16L5 Linear Array

Applications: Breast, Lung, MSK, Nerve Block, Vascular Access

VET Biopsy Kit Available



8V3 Phased Array

Applications: Cardiac



4V2A Phased Array

Applications: Cardiac, FAST, TCD



5C2A Curved Array

Applications: Abdominal, FAST, Fetal Cardiac, MSK, OB/GYN, Renal, Thyroid, Visceral

Biopsy Kit Available



9MC3 Curved Array

Applications: Abdominal, Cardiac, Neonatal Head, Small Parts, Thyroid, Vascular Access



8EC4A Endocavity

Applications: OB/GYN, Prostate

Biopsy Kit Available



XY-BI-Plane Phased Array

Applications: Cardiac, Vascular, Lung



10EC4A Endocavity

Applications: OB/GYN, Prostate

Biopsy Kit Available



10BP4 Bi-Plane

Applications: Prostate



8BP4 Bi-Plane

Applications: Prostate



8TE3 Trans-esophageal

Applications: Motorized Adult Multiplane TEE Probe



Pedoff

Applications: Cardiac



16HL7 High Frequency Linear Array

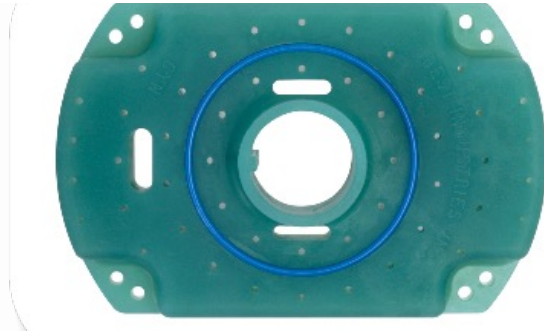
Applications: MSK, Venous



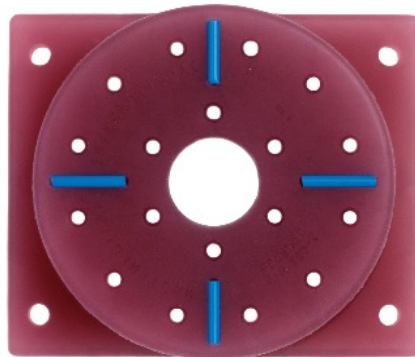
Intravascular Brachytherapy for Treating Coronary In-stent Restenosis

Novoste™ Beta-Cath™
3.5F System



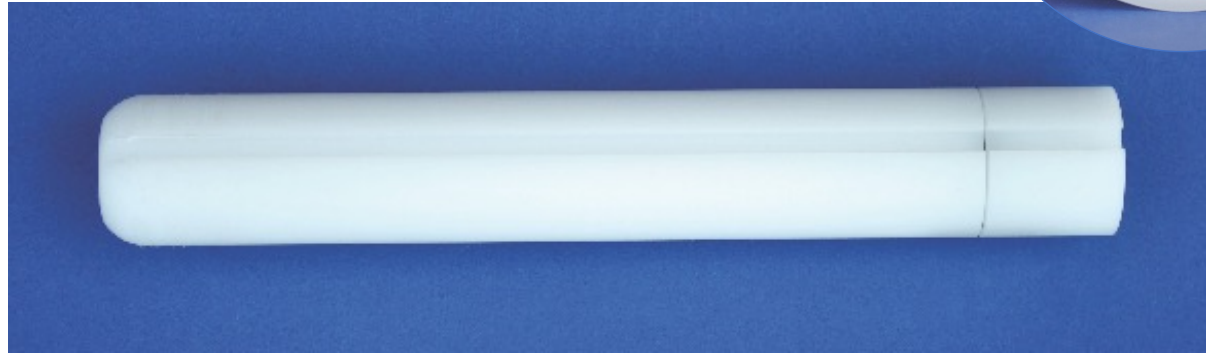


**Best™ Medical HDR/LDR
GYN Template (*Disposable*)**



**Best™ Medical HDR Prostate
Template (*Disposable*)**

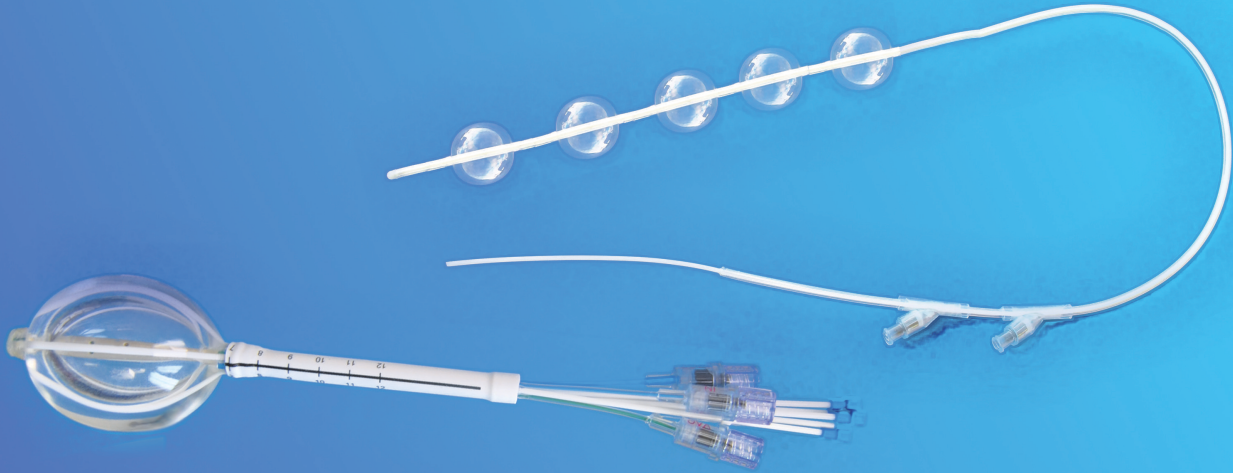
Best™ Medical Central Rod (*Modified*)



Best™ Medical Vaginal Applicator



Best™ Esophageal Brachytherapy Applicator



Best™ Double-Balloon Breast Brachytherapy Applicator

Best™ Dosimetry Services Personnel Radiation Monitoring



Best™ NOMOS Precision Stepper-Stabilizer





Best™ Universal Chair/Table

- Electronic
 - Variable Height Control
 - Variable Back Support
 - Variable Foot Support
 - Horizontal Tilt 12 Degrees Head or Foot
- 4-Function Hand-Held Pendant (Control)
- Removable Stainless Steel IV Pole
- Removable Foot Rest

AccuBoost® Partial Breast Radiotherapy



*Best*TM Cyclotron Systems

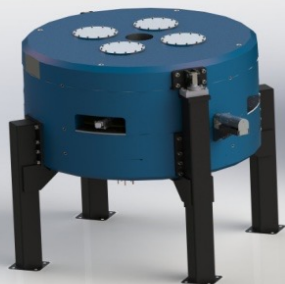
Turnkey solutions for radioisotope
production in nuclear medicine



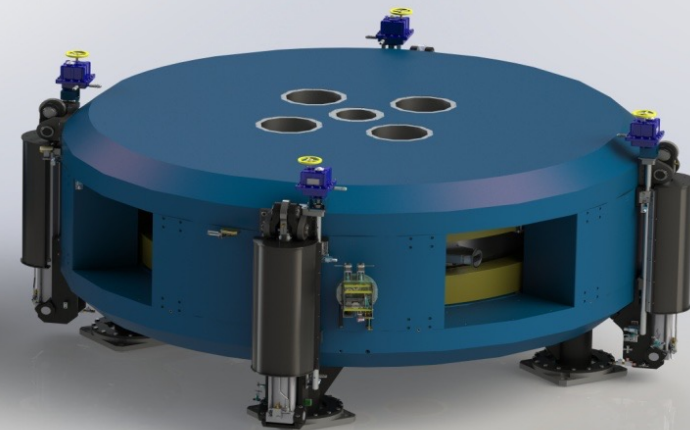
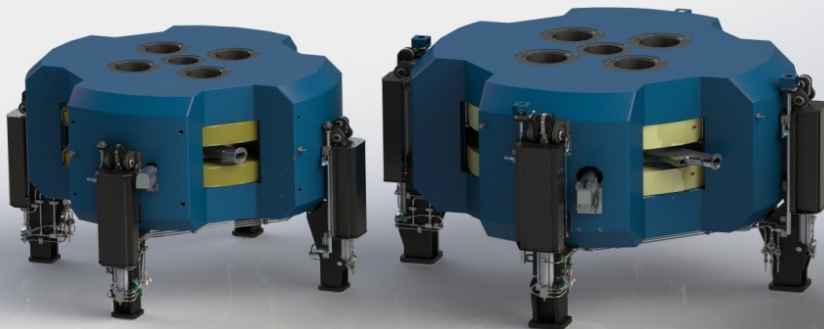
**Best™ Model BG-95
Sub-Compact Self-Shielded
Cyclotron with Optional
Second Chemistry Module
and Novel Target**



PET and TC^{99m}



SPECT Radioisotopes



Radiotherapeutics and Generators

B15p PET

15 MeV

400 μ A +

Targets Radiochemistry

B20u/25p

20/15-25 MeV

400 μ A +

Targets Radiochemistry

B30/35adp

30/15-35 MeV

400/1000 μ A

Targets Radiochemistry

B70p

35-70 MeV

1000 μ A

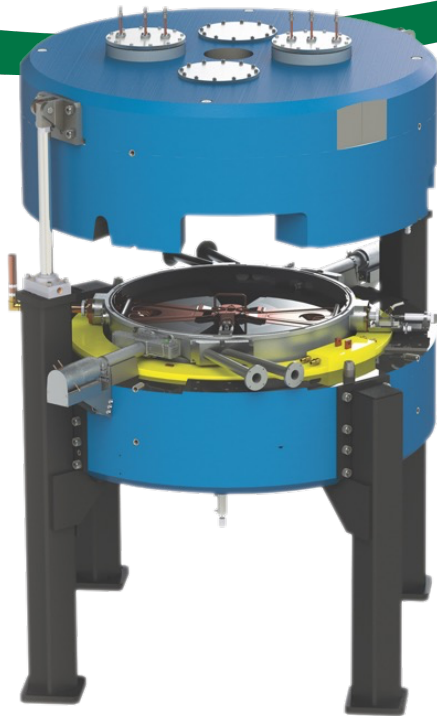
Targets Radiochemistry



Each cyclotron allows production access to special radioisotopes.

B100 Cyclotron	7.5 MeV	<ul style="list-style-type: none"> Capable of producing: ^{18}F FDG and Na^{18}F Single or batch dose production Integrated self-shielded cyclotron, chemistry module and FDG QC module Complete production lab in a 5 x 5 meter area
BG-95 Cyclotron	1-9.5 MeV	<ul style="list-style-type: none"> Low energy, self-shielded compact system capable of producing: ^{18}F FDG, Na^{18}F, ^{18}F-MISO, ^{18}F-FLT, ^{18}F-Choline, ^{18}F-DOPA, ^{18}F-PSMA, ^{13}N and ^{68}Ga
Best Cyclotrons	1–3 MeV	<ul style="list-style-type: none"> Deuterons for materials analysis*
	70-200 MeV	<ul style="list-style-type: none"> For Proton Therapy*
	3–90 MeV	<ul style="list-style-type: none"> High current proton beams for neutron production and delivery*
B6-15 Cyclotron	1–15 MeV	<ul style="list-style-type: none"> Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B25 Cyclotron	20, 15–25 MeV	<ul style="list-style-type: none"> Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B25u–35adp Cyclotron	25–35 MeV	<ul style="list-style-type: none"> Proton or alpha/deuteron/proton, capable of high current up to 1000 Micro Amps, for medical radioisotopes
B35 Cyclotron	15–35 MeV	<ul style="list-style-type: none"> Proton only system for medical radioisotopes production
B70/70adp Cyclotron	35–70 MeV	<ul style="list-style-type: none"> Proton only or alpha/deuteron/proton systems, capable of high current up to 1000 Micro Amps, for medical radioisotopes

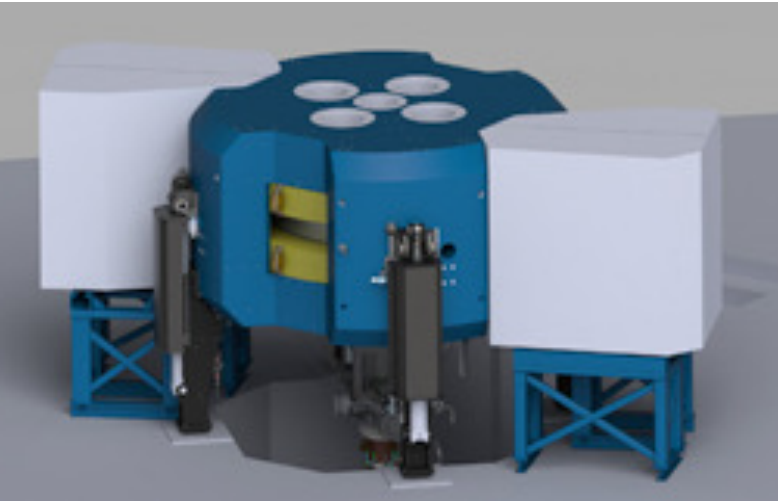
*Some products are under development and not available for sale currently.



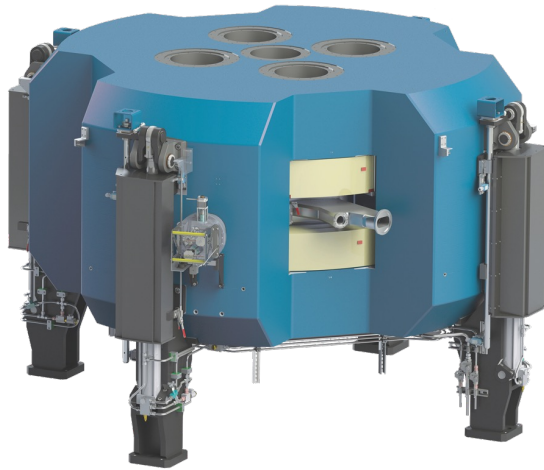
Best™ 6–15 MeV Compact High Current/Variable Energy Proton Cyclotron

- 1–1000 μA extracted beam current
- Capable of producing the following isotopes:
 ^{18}F , ^{68}Ga , ^{89}Zr , $^{99\text{m}}\text{Tc}$, ^{11}C , ^{13}N , ^{15}O , ^{64}Cu , ^{67}Ga ,
 ^{111}In , ^{124}I , ^{225}Ac and ^{103}Pd
- Up to 5×10^{13} neutrons per second from external target
- 21 stripping foils at each stripping port for 2-minute rapid change

Best™ 15-25p MeV Cyclotron

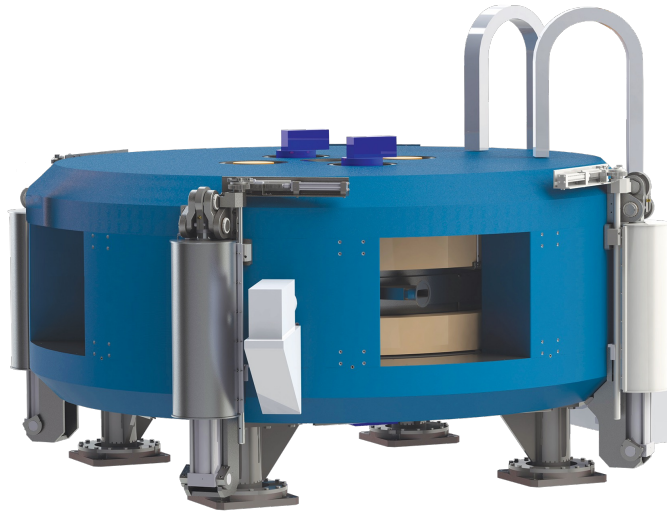


- 400 μ A extracted beam current
- The cyclotron is supplied with two ^{18}F production targets complete with loading and routing to the production hot cell.
- Targets for ^{18}F , ^{11}C , ^{13}N , ^{15}O , ^{64}Cu , ^{124}I , ^{103}Pd and $^{99\text{m}}\text{Tc}$ are available.
- High current solid target stations (10 kW) and high current gas target stations (4 kW) are available upon request.



Best™ Model B35adp Alpha/ Deuteron/Proton Cyclotron for Medical Radioisotope Production & Other Applications

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



Best™ 70 MeV Cyclotron Ideal for Sr-82/Rb-82 Supply and Research

- 70-35 MeV variable energy H- cyclotron
- 700 μ A extracted beam current (upgradable to 1000 μ A)
- 2 simultaneous extracted beams
- Multiple independent beam lines and target positions

Installation of 70 MeV Cyclotron

May 2015 - Legnaro, Padova, Italy



Installation of 70 MeV Cyclotron

May 2015 - Legnaro, Padova, Italy



Inauguration of 70 MeV Cyclotron at INFN

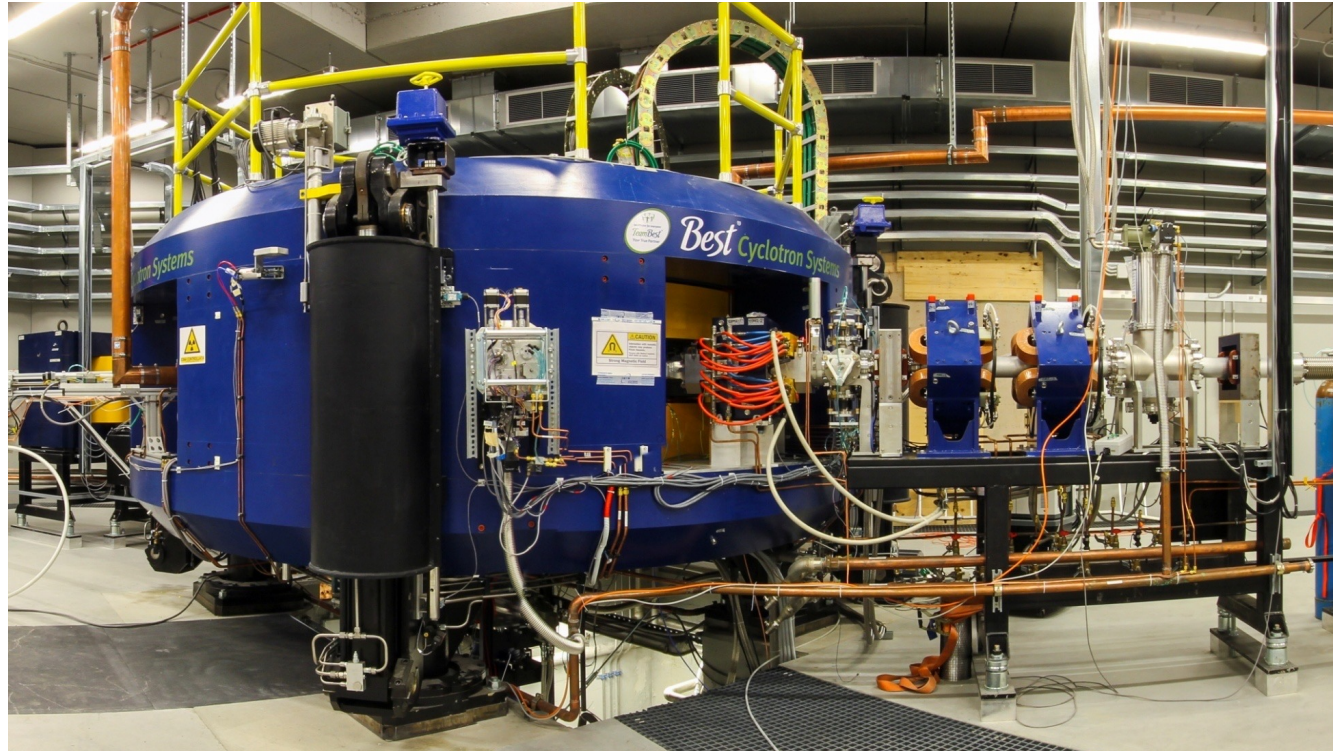
December 2016 - Legnaro, Padova, Italy



Front Page News in Padova, Italy



Best™ 70 MeV Cyclotron at INFN

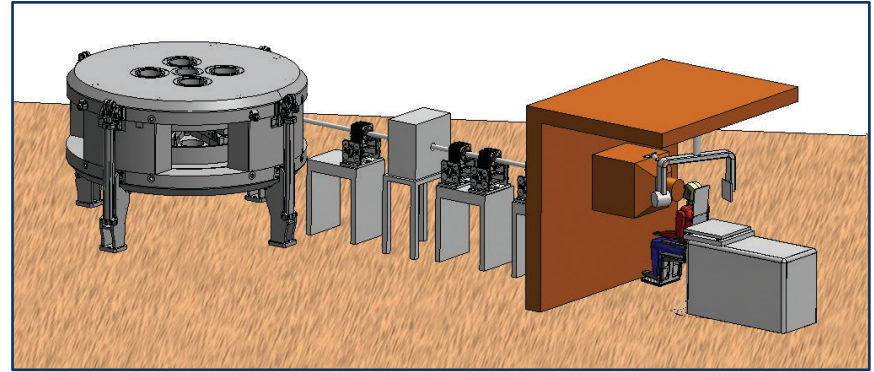


*Best*TM Particle Therapy



Best™ Model 200p Variable Energy Cyclotron for Proton Therapy

(Patent Pending)

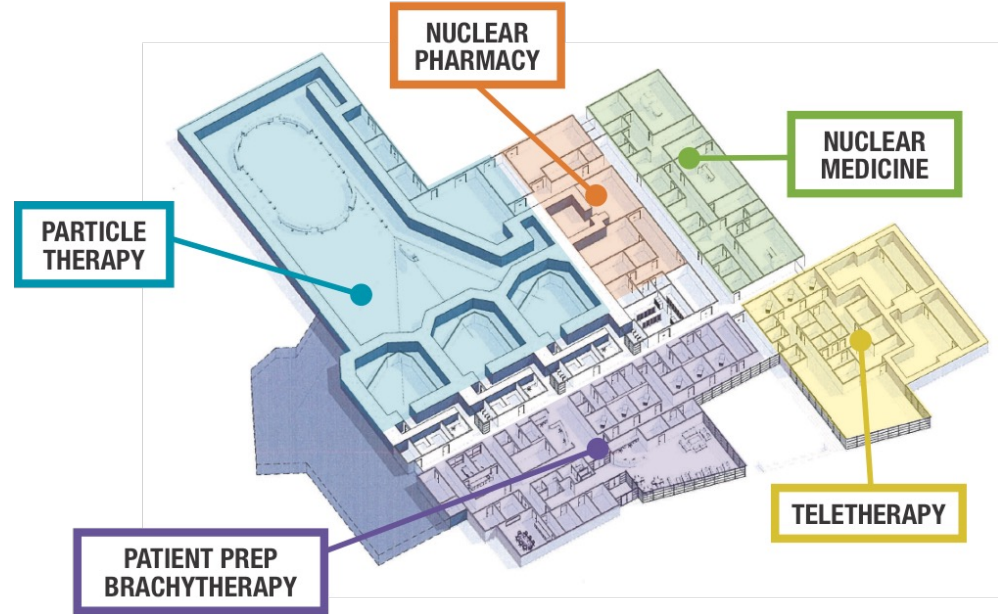


- From 70 MeV up to 200 MeV Variable Energy
- Dedicated for Proton Therapy with two beam lines and two treatment rooms
- For all Medical Treatments including: Benign and Malignant Tumors, Neurological, Eye, Head/Neck, Pediatric, Lung Cancers, Vascular/Cardiac/Stenosis/Ablation, etc.



iRCMS Magnet at BNL

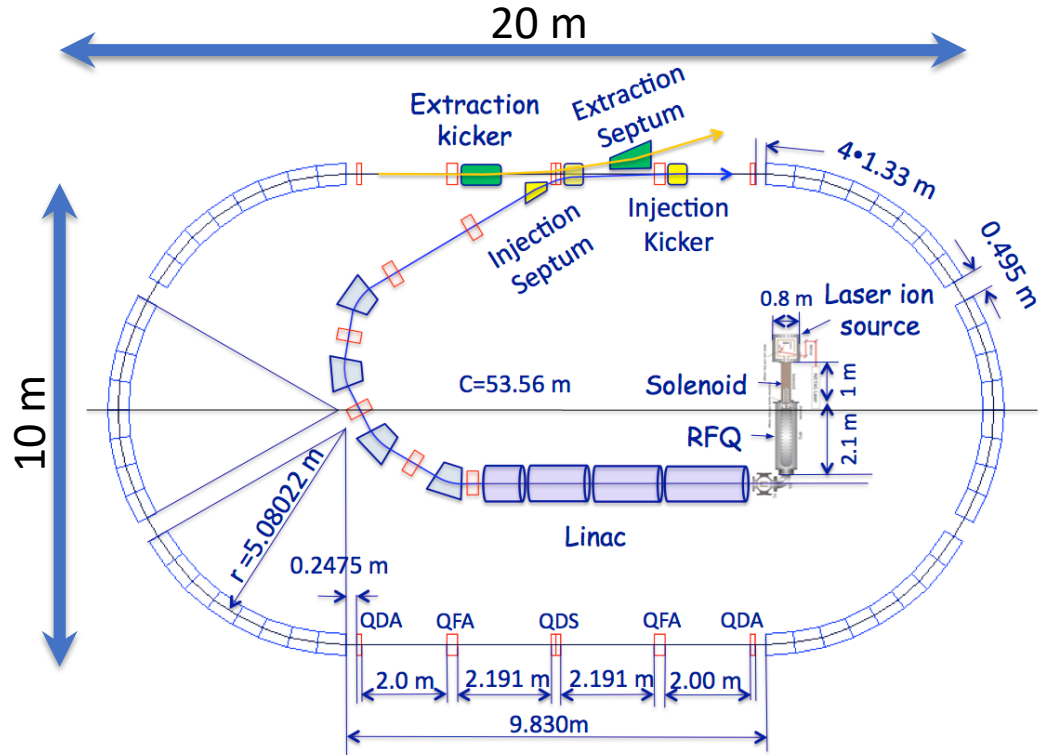
**Best Particle Therapy
200-400 MeV ion Rapid
Cycling Medical
Synchrotron (iRCMS) for
Proton-to-Carbon,
Variable Energy Heavy
Ion Therapy**



Single and Multi-Room Solutions

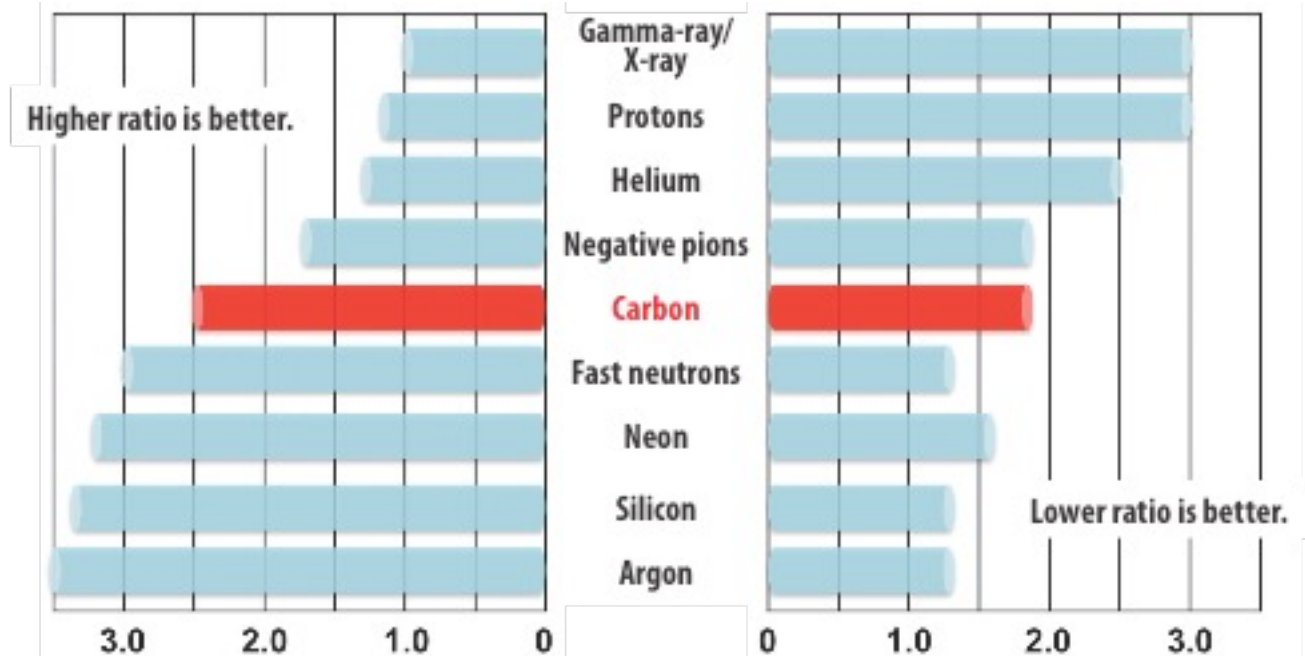
BEST/BNL iRCMS

Much Smaller Footprint



RBE: Relative Biological Effectiveness

OER: Oxygen Enhancement Ratio

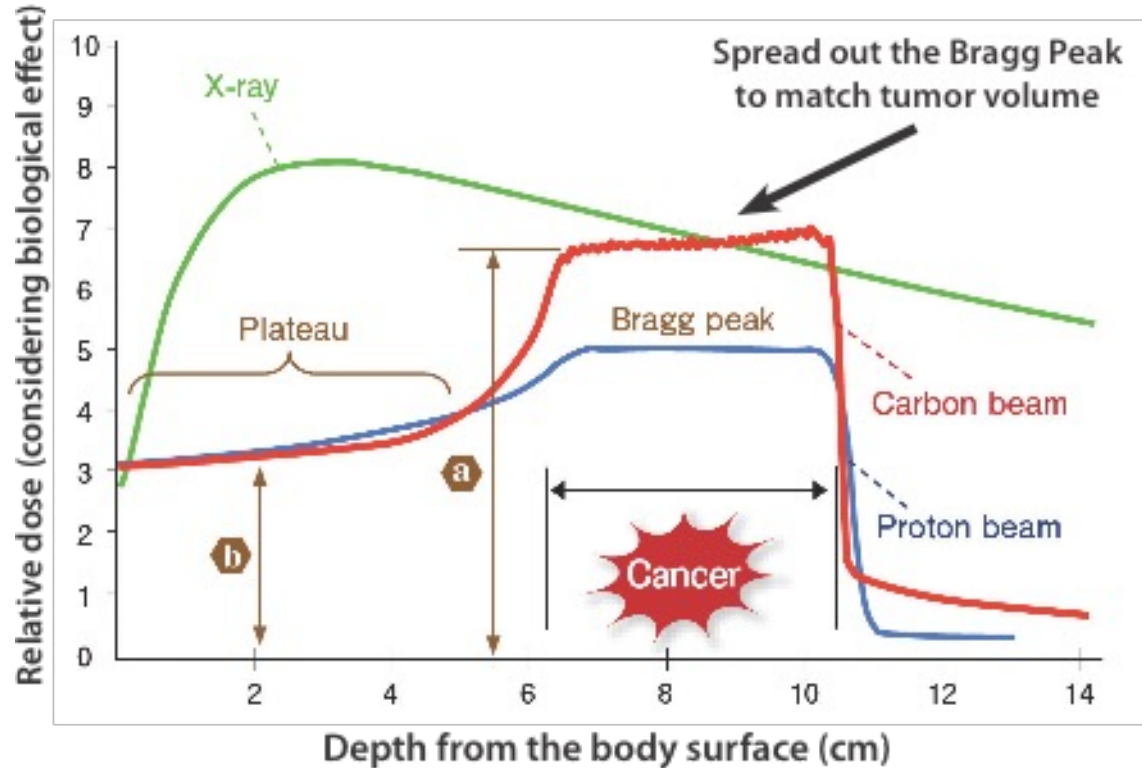


RBE represents the biological effectiveness of radiation in the living body. The larger the RBE, the greater the therapeutic effect on the cancer lesion.

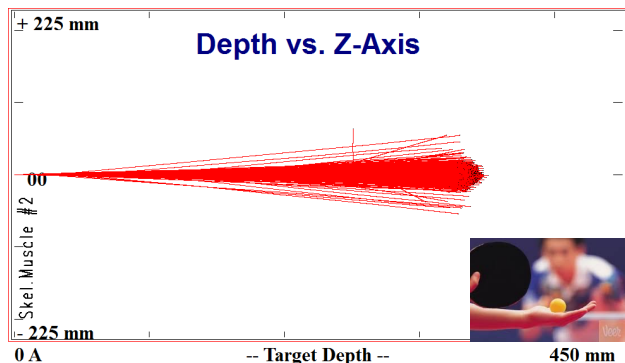
OER represents the degree of sensitivity of hypoxic cancer cells to radiation. The smaller the OER, the more effective the therapy for intractable cancer cells with low oxygen concentration.

Clinical Comparison: X-rays vs. Protons vs. Carbon Ions

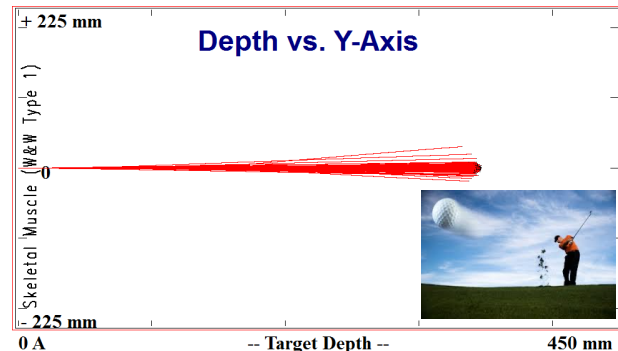
Peak-to-Plateau ratio of the RBE (a/b) is larger
in carbon ion beams than for proton beams.



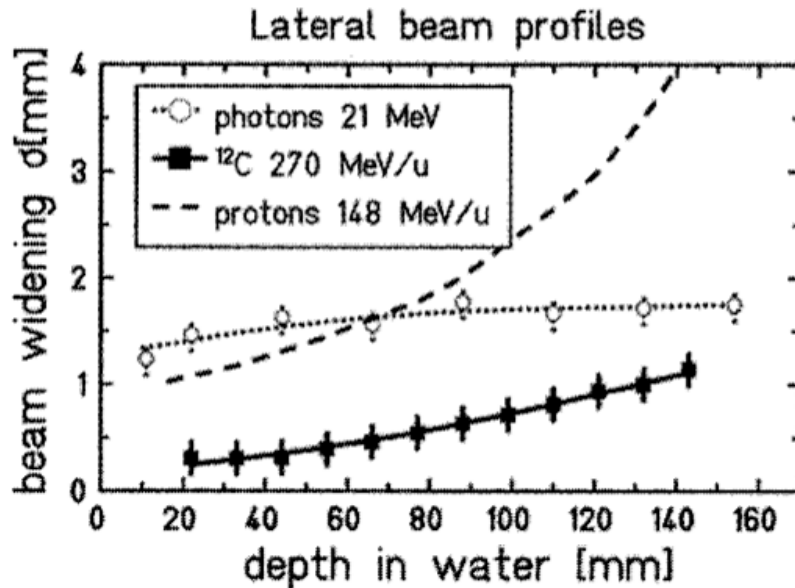
Carbon Ions are more precise than Protons



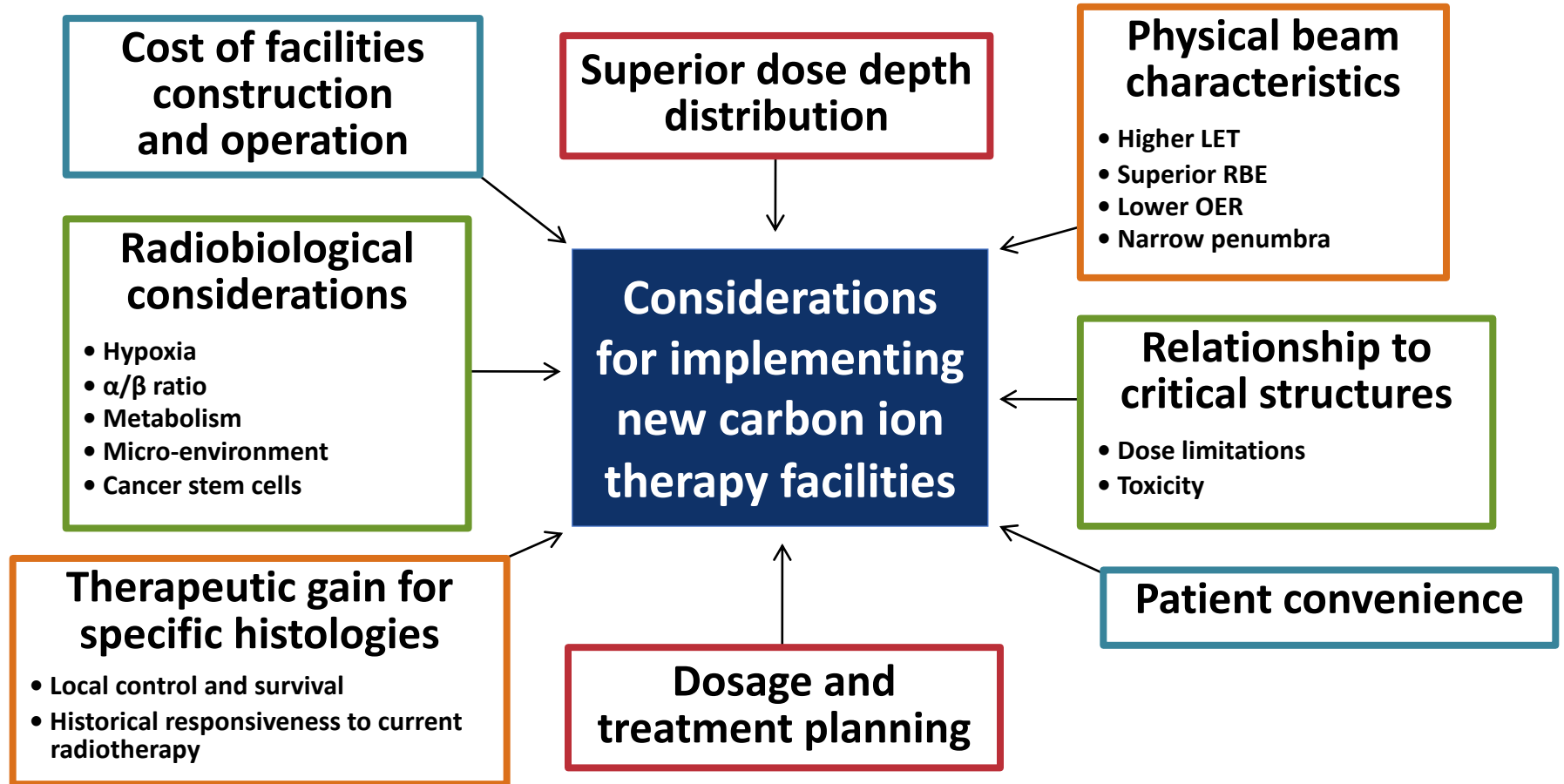
The intrinsic spot width for ~ 206 MeV/u **protons** is $2\sigma = 11.4$ mm



The intrinsic spot width for ~ 400 MeV/u **carbon** ions is $2\sigma = 2.93$ mm



"Lines to guide the eye"
U. Weber GSI (1996)



Medical Advantage

- Deliver 20 times the cancer killing power of protons
- Cure the patient 4 to 10 times faster

Benefit to Patient

- Shorter treatment times – potentially 4 to 10 times less
- Less stress for the patient physically, emotionally & financially
- Less unnecessary radiation exposure

Benefit to Society

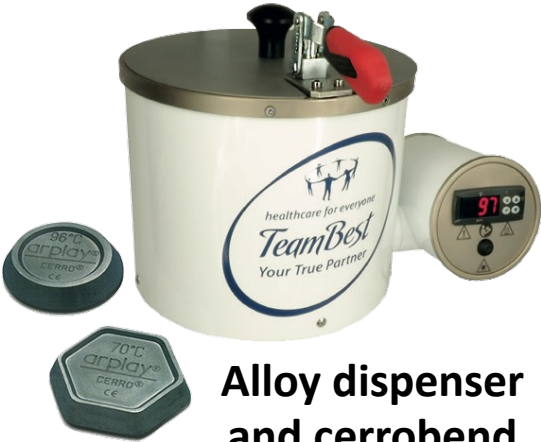
- A Heavy Ion Center will provide maximum advantage to the general public by having the capability to treat many more patients than a Proton Center with the same number of treatment rooms

BestTM Supplies Proton Systems Upgradeable to Carbon!

*Best*TM *Mold room supplies*



Arplay Medical



**Alloy dispenser
and cerrobend**



**Brachytherapy
emergency container**



Mold room

*Best*TM QA/QC applications



MOSFET Systems

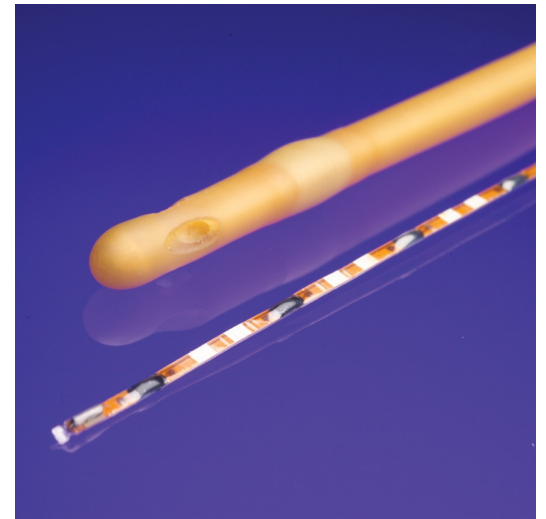
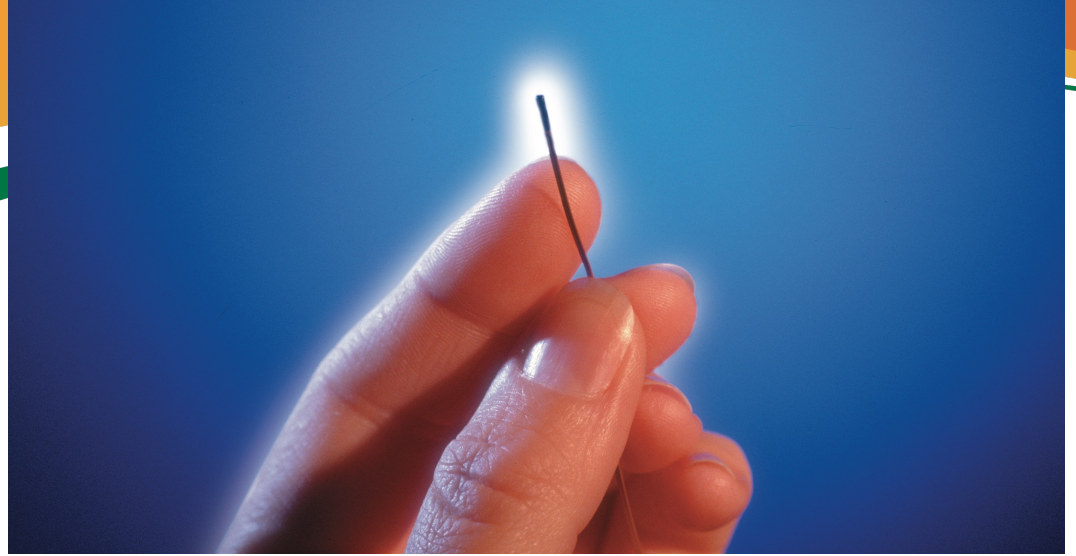


Wireless

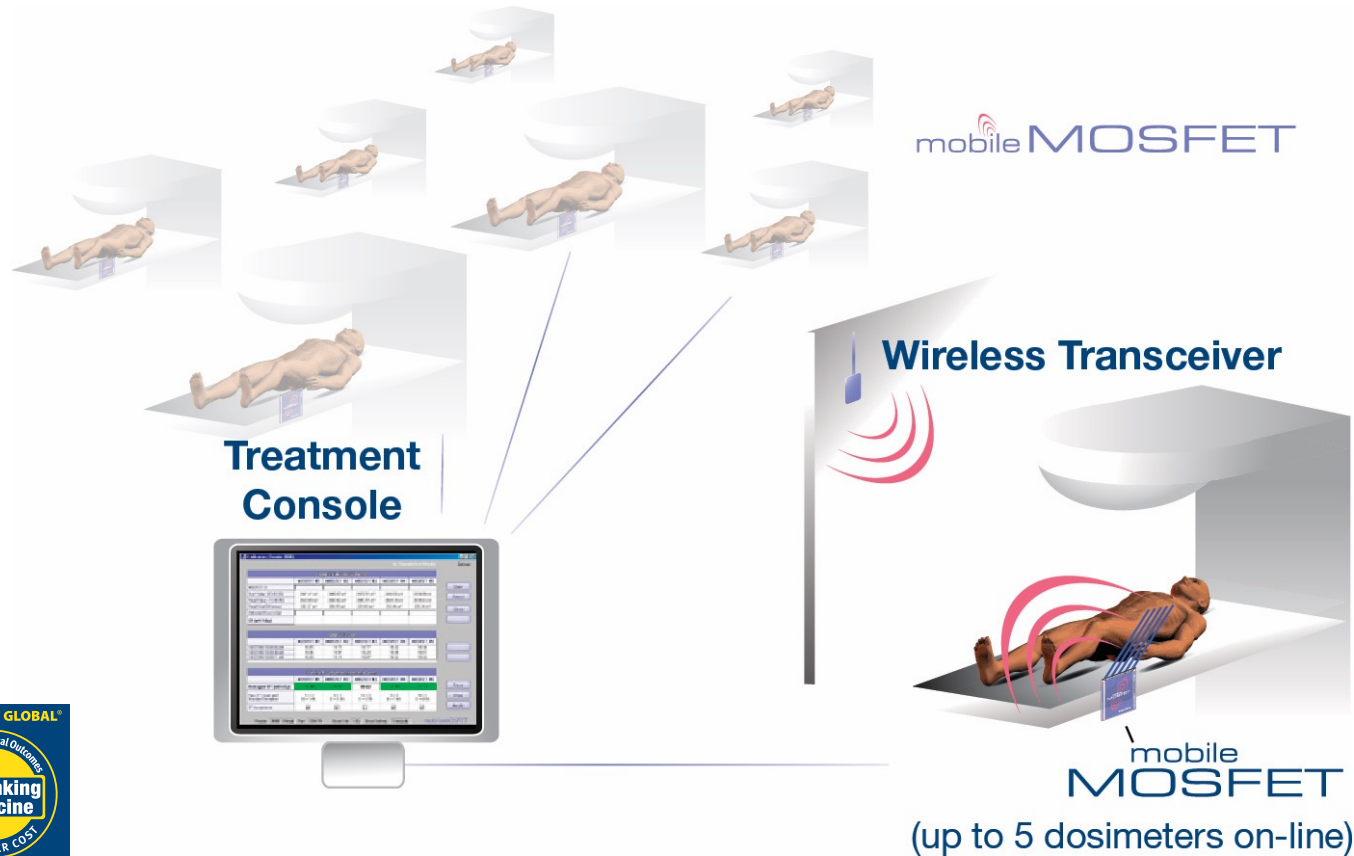


Portable

Photos clockwise from top:
*actual (small) size of the
microMOSFET; the Linear 5ive
Array for use in brachytherapy;
and a high-sensitivity MOSFET
being used to measure scatter
dose to the thyroid.*



MOSFET System Configuration



Radiation Dosimetry and QA



Electrometer



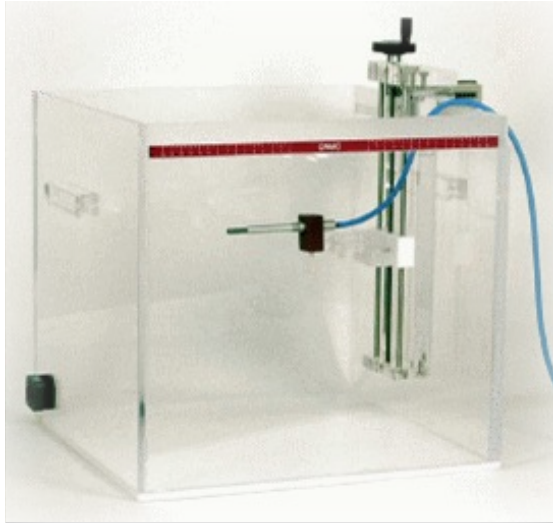


Extension Cables

GP-3000 Gamma probe breast localization system



Water Phantoms and Ion Chambers



Fixed Red or Green Diode Lasers



CVO-2000 Warming Oven for Thermoplastics



Huestis•Cascade Simulator



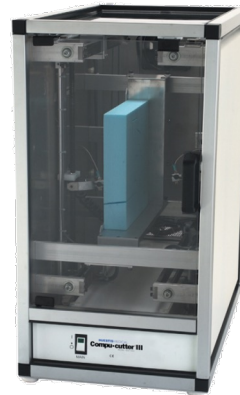
Affordable solutions for your radiotherapy and industrial needs



X-ray Collimators



Flexi-holder



Compu-cutter III



**Custom Machines & Equipment
from Huestis Industrial**

Styro•former®

The Original Radiotherapy Shielding Block Mold Cutter

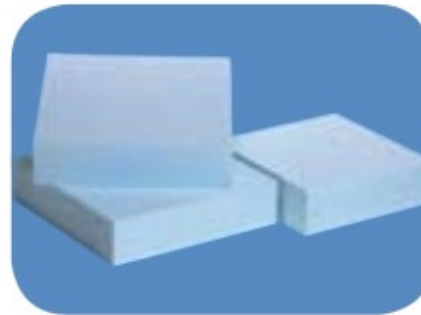
Model SF 319-3



- **Accurate Cutting** with manual tracing produces smooth, accurate cuts with minimal training.
- **Rigid Box Frame** ensuring that cutting wire is precisely aligned between the source point and block tray.
- **Quick, Smooth Operation** with spring-loaded, Teflon tracing stylus moving freely in X and Y axes.

Styro•former®

- **Standard Foam Block Holders** in 8", 10" or 12" (20.3, 25.4, 30.5 cm) foam blocks (maximum use: 16", 40.6 cm)
- **Power Lift LT** where drive controls are panel mounted for quick, push-button height adjustments.
- **Auto Boost Options** to automatically boost wire temperature to adjust for wire deflection.



Mobile Digital X-Ray Systems

MX 50

- Advanced Technology with Superior Design
- Higher Power Exposure
- Compact Body and better usability



KITSAULT ENERGY:

Where We Stand Today

KRISHNAN SUTHANTHIRAN,
FOUNDER & PRESIDENT OF KITSAULT ENERGY



Located just northwest of Prince Rupert, BC, **Kitsault** is poised to be the hub for Canada's energy future, bringing new opportunities to the region and contributing to an energy economy. With proposed state-of-the-art housing and community facilities for nearly 1,000 personnel of **Kitsault Energy (KE)**, the project promises to fuel Canada's transition to a more sustainable energy future.



KITSAULT, BC

Kitsault Energy will utilize its dedicated export port and terminal at Observatory Inlet to facilitate the transport of Canadian energy to Asian markets. This strategically located infrastructure is designed to unlock new international trade opportunities, generating billions of dollars in tax revenue for Alberta, British Columbia and the federal government. In addition to creating thousands of high-paying jobs, the project is expected to significantly enhance the competitiveness of Canadian energy producers. By reducing shipping distances and associated costs, the project will help minimize the discount on Canadian energy exports, thereby boosting revenues and enabling long-term growth and innovation across the industry.



CALL TO ACTION!

Kitsault Energy is open to partnerships
with engineering firms, energy producers,
governments, and communities
to realize this shared vision.



QUICK FACTS

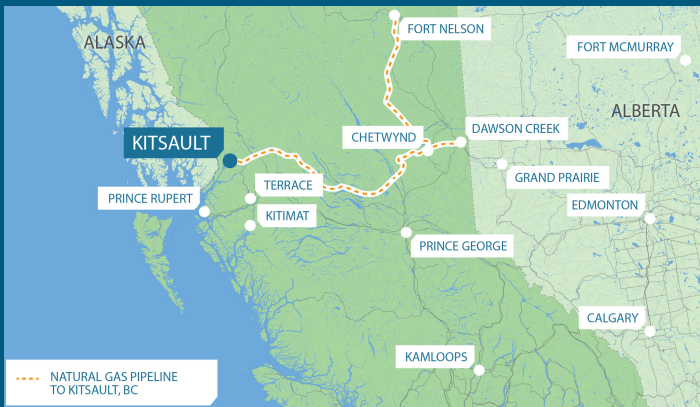
- KE features a deep-water port at Observatory Inlet, BC—an optimal location for floating LNG, bitumen and methanol facilities.
- The site offers the shortest transportation route to northeastern BC's natural gas fields and northwestern Alberta's oil and gas reserves, resulting in projected cost savings exceeding \$3 billion.
- Located in Canada's Pacific Northwest, Kitsault serves as a strategic gateway to Asia, aligning with over \$60 billion in planned energy projects across the region.



QUICK FACTS *continued*

- The Kitsault townsite is easily accessible by road, water, air and floatplane.
- The Kitsault Energy Training and Employment Network will deliver targeted, practical skills training to support workforce development.
- KE places strong emphasis on Indigenous engagement and consultation, and prioritizes economic empowerment for First Nations through employment, education, healthcare, housing, and business development opportunities.
- The National Energy Board has previously granted KE a 20-year LNG export permit for up to 20 million tonnes per year, recognizing the project's strategic importance to Canada's energy sector.







WWW.KITSAULTENERGY.COM



FOR MORE INFORMATION ABOUT KITSAULT ENERGY PLEASE CONTACT:

KRISH SUTHANTHIRAN
PRESIDENT
KRISH@KITSAULTENERGY.COM

kitsaultenergy.com

Best Cure Foundation, Inc. was founded in the Commonwealth of Virginia, USA, in 2007 as a 501(c)(3) nonprofit organization dedicated to promoting healthcare and education worldwide. The foundation aims to collaborate with citizens, medical professionals, government and non-government organizations, educational institutions, and charitable groups around the globe to eliminate contagious diseases, malnutrition, and poverty, while providing high-quality healthcare at affordable costs. Everyone deserves access to the best healthcare. Education is the most effective way to eradicate poverty and foster global understanding and peace.



Please visit the TeamBest Global website at www.teambest.com to review this presentation.

Thank You!

