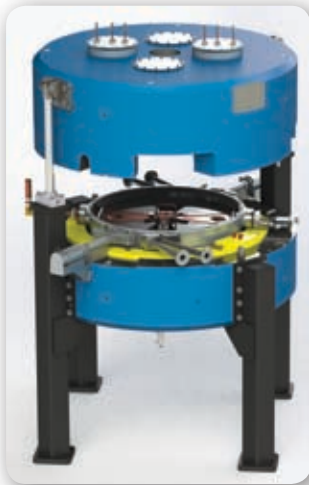


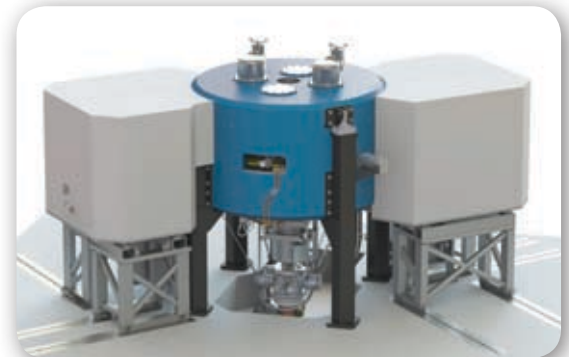


TeamBest Global Cyclotron installations list is available at:  
<http://www.bestcyclotron.com/about.html>



## NEW! Best Compact Cyclotron 6–15 MeV Variable Energy (Patent Pending)

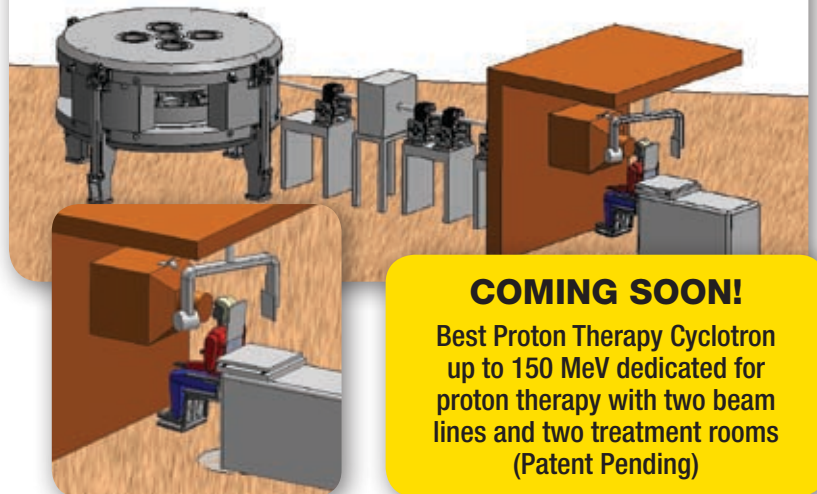
- 1–1000  $\mu$ A extracted beam current
- Capable of producing the following isotopes:  $^{18}\text{F}$ ,  $^{68}\text{Ga}$ ,  $^{89}\text{Zr}$ ,  $^{99\text{m}}\text{Tc}$ ,  $^{11}\text{C}$ ,  $^{13}\text{N}$ ,  $^{15}\text{O}$ ,  $^{64}\text{Cu}$ ,  $^{67}\text{Ga}$ ,  $^{111}\text{In}$ ,  $^{124}\text{I}$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



NEW Best Cyclotrons	1–3 MeV	Deuterons for materials analysis (Patent Pending)
	70–150 MeV	For Proton Therapy (Patent Pending)
	3–90 MeV	High current proton beams for neutron production and delivery (Patent Pending)
Best 15p Cyclotron	15 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
Best 20u/25p Cyclotrons	20, 25–15 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
Best 30u/35p Cyclotrons	30, 35–15 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
Best 70p Cyclotron	70–35 MeV	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
Best 150p Cyclotron	From 70 MeV up to 150 MeV (non-variable)	For all Medical Treatments including Benign and Malignant Tumors for Neurological, Eye, Head/Neck, Pediatric, Lung Cancers, Vascular/Cardiac/Stenosis /Ablation, etc. (Patent Pending)



Installation of Best 70 MeV Cyclotron at INFN, Legnaro, Italy



### COMING SOON!

Best Proton Therapy Cyclotron up to 150 MeV dedicated for proton therapy with two beam lines and two treatment rooms (Patent Pending)

## Best BG-75 Self-Shielded Cyclotron with Optional Second Chemistry Module (Patent Pending)

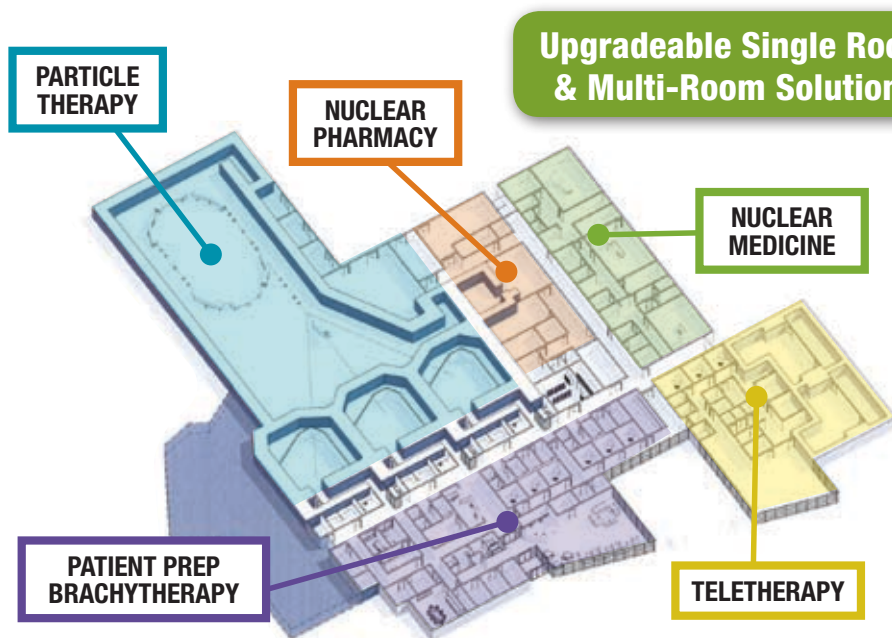
- Push button graphic interface
- Single or batch dose production
- Capable of producing:  $^{18}\text{F}$ FDG,  $\text{Na}^{18}\text{F}$ ,  $^{18}\text{F}$ -MISO,  $^{18}\text{F}$ FLT,  $^{18}\text{F}$ -Choline,  $^{18}\text{F}$ -DOPA,  $^{18}\text{F}$ -PSMA and more!
- Final dose delivery to syringe or vial
- Automated quality control testing
- Integrated self-shielded cyclotron and chemistry module
- Complete production lab in a 5 x 5 meter area



## NEW! Best Sub-Compact Model 200 Self-Shielded Cyclotron with Optional Second Chemistry Module (Patent Pending)

- Low Energy Compact System
- Self Shielding
- Easy to operate
- Very little maintenance
- Capable of producing the following in addition to BG-75 isotopes:  $^{18}\text{F}$ ,  $^{11}\text{C}$ ,  $^{13}\text{N}$  and  $^{68}\text{Ga}$
- Ideal for Nuclear Cardiology and other Medical Applications

## Best Particle Therapy 400 MeV ion Rapid Cycling Medical Synchrotron (iRCMS) for Proton-to-Carbon, Variable Energy Heavy Ion Therapy, with or without Gantries



- Intrinsically small beams facilitating beam delivery with precision
- Small beam sizes – small magnets, light gantries – smaller footprint
- Highly efficient single turn extraction
- Efficient extraction – less shielding
- Flexibility – heavy ion beam therapy (protons and/or carbon), beam delivery modalities



BEST RADIATION THERAPY & DIAGNOSTIC CENTER

ion Rapid Cycling Medical Synchrotron (iRCMS) Racetrack