

Best Cyclotron Systems unveils five new cyclotrons at the Society of Nuclear Medicine (SNM) Annual Meeting

Miami Beach, Florida, USA, June 9, 2012. Best Cyclotron Systems is unveiling five new cyclotrons for isotope research and production at the Society of Nuclear Medicine (SNM) Annual Meeting on June 9–12 in Miami Beach, Florida.

Drawing on more than 50 years in medical equipment manufacturing expertise, this innovative new product line of cyclotrons offers a cost-effective alternative to both short- and long-lived medical isotopes. A cyclotron uses a combination of magnets and radio frequency electric fields to accelerate ions to velocities high enough to create isotopes. BTL has a unique cost-effective technology to manufacture five types of cyclotrons: 14 MeV (B14), 25 MeV (B25), 25 MeV upgradable to 35 MeV (B25u), 35 MeV (B35) and 70 MeV (B70). These cyclotrons will focus on isotopes used in Positron Emission Tomography (PET), Single Photon Emission Computed Tomography (SPECT) and Therapy by virtue of their respective energies.

Best Cyclotron Systems has incorporated modern technology into their 5 cyclotron designs and configure the systems exactly to the end-user needs, whether it is for single hospital application, regional pharmacies, or National facilities. The high current features of the cyclotrons (400–1000 micro-amperes) together with the low radioactivation of the cyclotron systems allow a broad range of commercial radioisotope production processes even on the B14p cyclotron.

DIRECT PRODUCTION OF Tc^{99m} SYSTEMS

This unique processing system, available from TeamBest, can be used with Best Theratronics' B14 and B25 Cyclotrons or other suppliers' cyclotrons to produce enough Tc^{99m} to adequately meet the clinical needs of large urban centers. The long-term supply of Tc^{99m} for nuclear medicine is no longer dependent on reactor-supplied material. The TeamBest system can use the existing, yet small, cyclotron infrastructure or with new cyclotron sites, all for a much lower incremental cost compared to alternative systems and other isotope production technologies.

For more information, please visit us at Booth #701 at SNM, visit our websites www.bestproton.com, www.theratronics.com and www.teambest.com, or contact:

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