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FOR IMMEDIATE RELEASE

CBCT Electron Density & Image Quality Phantom – One Tool Solution for Commissioning and Periodic QA

Norfolk, Virginia (February 2, 2012) CIRS is pleased to introduce a new CBCT Electron Density and Image Quality Phantom System. This modular system is a single tool configured to measure twelve performance parameters needed for electron density calibration in volumetric imaging and image quality analysis on CT and CBCT imaging systems during commissioning and periodic QA.

The system's ease of use allows CT/CBCT users to perform routine measurements for assessment of alignment, spatial uniformity, low contrast visibility, magnification/spatial linearity, CT Number linearity, Contrast-to-Noise ratio (CNR), slice thickness, spatial resolution, Modulation Transfer Function (MTF), noise, size independence, and absorbed dose.

The system is divided into 3 modules that allow for multiple configurations that may be purchased separately: Electron Density Phantom (062M), CBCT Electron Density Phantom (062MA) and CBCT Electron Density & Image Quality Phantom (062MQA).

The Electron Density Phantom (062M) provides a reliable tool for CT number to electron density calibration. The CBCT Electron Density Phantom (062MA) accounts for the specific geometry of Cone Beam kV and MV CT imaging for axial/helical CT equipment due to the imaging volume that closely resembles an average male torso, and accommodates an ion chamber for dose measurements. The complete CBCT Electron Density & Image Quality Phantom System configuration (062MQA) is optimized for HU to electron density calibration in volumetric imaging, and includes an Image quality tool specifically designed to perform Image QA tests for Computed Tomography as recommended in Report #1 of the AAPM Task Group. The phantom is also compliant with AAPM Task Group 142 (Table IV).

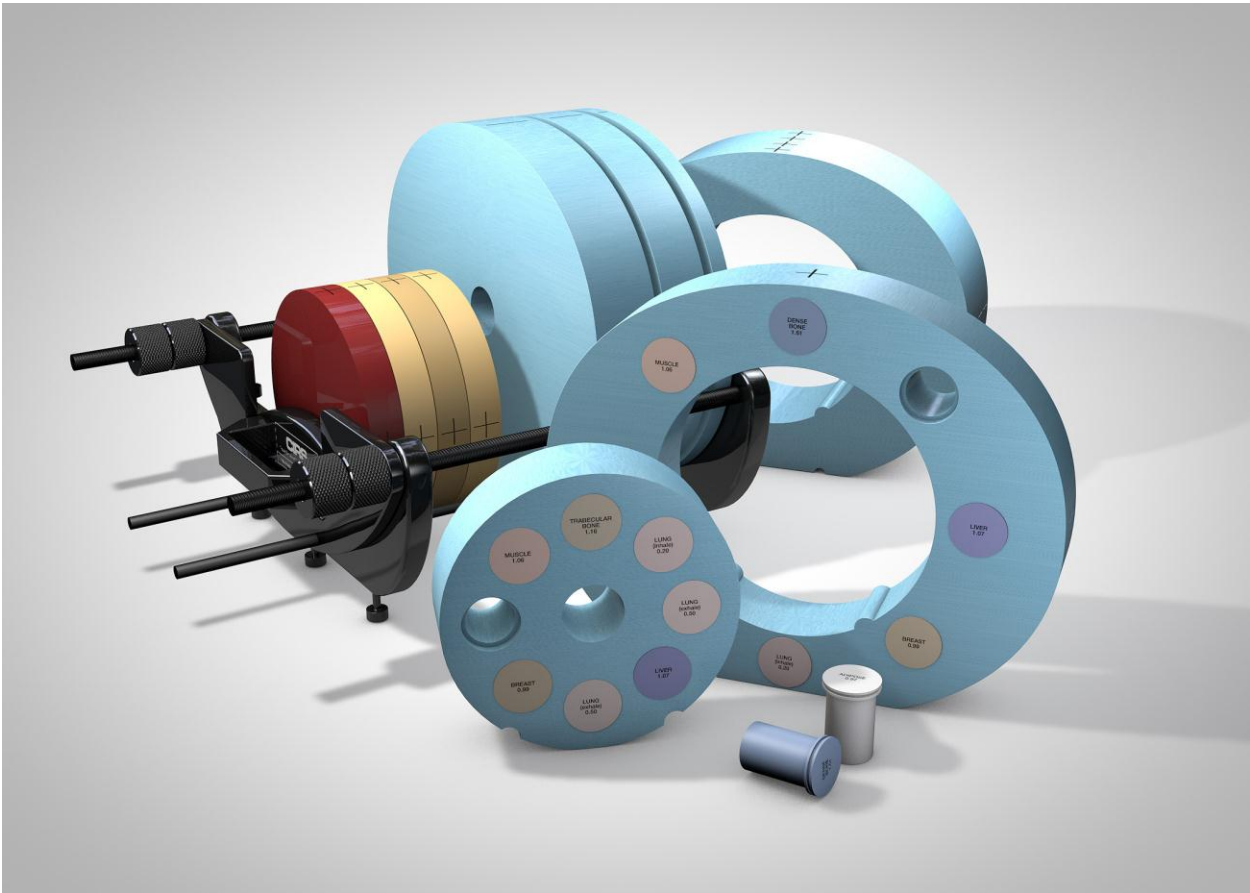
For more information, visit www.cirsinc.com

About CIRS

CIRS is recognized world wide for tissue simulation technology and is the leader in the manufacture of phantoms and simulators for quantitative densitometry, calibration, quality control and research in the field of medical imaging and radiotherapy. CIRS is headquartered in Norfolk, VA (USA) and distributes products worldwide.

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(CIRS Model 062MQA - CBCT Electron Density & Image Quality Phantom)