GAMMEX
A SUN NUCLEAR COMPANY

WORK IN PROGRESS

Get Ready for TG-233

Mercury 4.0 Phantom

Next Generation CT QA is Here

Now it's easy to perform QA on advanced CT features that fall outside of your routine QA program. Like Automatic Exposure Control. And Iterative Reconstruction. Plus, you can revamp your traditional tests with new metrics that enable robust and quantitative testing.

The Mercury 4.0 Phantom is the latest iteration of the Mercury Phantom, designed by Dr. Ehsan Samei at Duke University. It was created to meet the following needs:

- Performance and effectiveness of Automatic Exposure Control / Tube Current Modulation
- Evaluation of image quality for Iterative Reconstruction
- Advanced quantitative metrics that reflect what clinicians see
- Size-dependent image quality evaluation

Features & Benefits

- Meets all advanced CT testing recommended by AAPM TG-233, including:
  - Automatic Exposure Control
  - Noise Power Spectrum
  - Modulation Transfer Function
  - Task Transfer Function
  - Detectability (d')
  - Cone-beam artifacts
  - Superior-Inferior resolution
- 5-tiered sections reflect canonical patient sizes
- Includes a stand with a handle and leveling feet, and a wheeled case

Specifications

Material:	Polyethylene
Diameter:	16.0, 21.0, 26.0, 31.0, and 36.0 cm
Length:	52.0 cm
Contrast Materials:	HE CT Solid Water®, Bone, Polystyrene, 10 mg/mL Iodine, and Air
Resolution Wedge:	HE CT Solid Water®
Software Analysis:	Phantom includes a license for the Duke ImQuest software
Included:	Wheeled Case and Stand

Dx DIAGNOSTIC

sunnuclear.com // +1 608-828-7000
Corporate Headquarters: 7600 Discovery Drive, Middleton, WI 53562