



**SUN NUCLEAR**  
A MIRION MEDICAL COMPANY

# CTDI Phantoms

## Computed Tomography

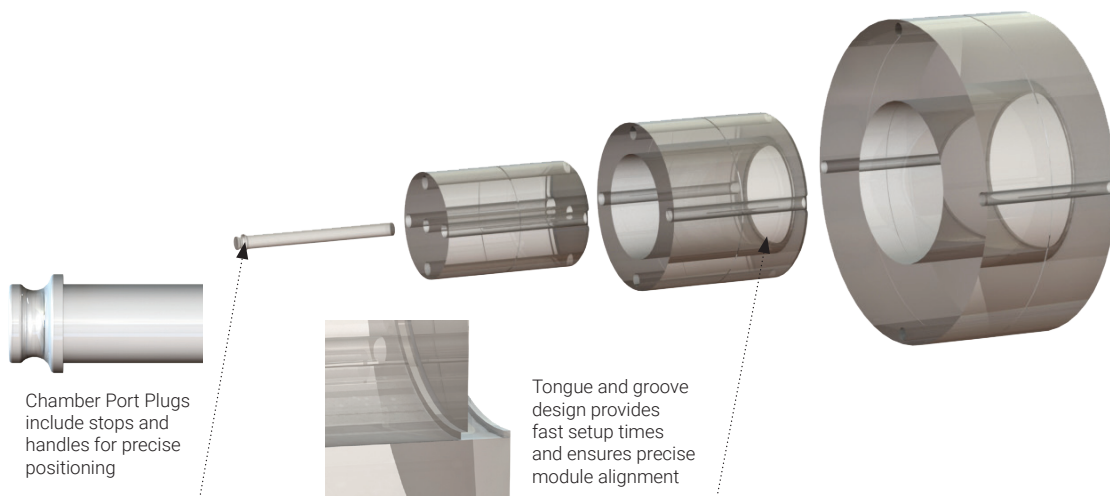
## Dose Index Phantom

- Measure absorbed dose and monitor scanner output
- Offered as a 2-piece or 3-piece configuration



The CTDI Phantom was designed to meet specifications outlined by the Food and Drug Administration (FDA 21CFR 1020.33) and the International Electrotechnical Commission (IEC 60601-2-44). CTDI phantom model 468-BPH supports pediatric and adult computed tomography dose index (CTDI). Other tests could include CTDI<sub>100</sub> (center and peripheral) CTDI<sub>w</sub>, CTDI<sub>vol</sub> and CTDI free air.

The phantom is offered as a 2-piece (model 468-BH) or 3-piece (model 468-BPH) telescopic configuration, with each configuration consisting of nested modules, allowing the user to adapt the phantom to the desired size required by the protocol in use. Each module allows the user to collect dose measurements on the central axis of the phantom or at periphery positions located every 90 degrees at 1.0-cm depth from the surface.



[sunnuclear.com](http://sunnuclear.com)



"The clever phantom and case design allows me to setup and tear down the phantom in 50% of the time compared to my previous CTDI phantom."

Nicholas Bevins, Ph.D., Henry Ford Hospital

### Specifications

(Complies with IEC 61223-3-5 and IEC 60601-2-44 standards)

<b>Material:</b>	Polymethyl-Methacrylate (PMMA/Acrylic)
<b>Density:</b>	1.19 g/cm <sup>3</sup>
<b>Alignment Markings:</b>	Etched lines centered at the transverse, coronal and sagittal planes
<b>Module</b>	Dimensions (OD x Length)
<b>Adult Body:</b>	32 cm x 14.5 cm
<b>Adult Head/Pediatric Body:</b>	16 cm x 14.5 cm
<b>Pediatric Head: (Model 468-BHP only)</b>	10 cm x 14.5 cm
<b>Weight :</b>	19.9 kg (30.5 lbs)
<b>Chamber Ports Diameter:</b>	1.31 cm

### Accessories

- Includes customized, water-tight hard case for easy transport & safe storage. Case includes built-in wedges for use as a phantom holder.

