Radia Therapy provides fast, robust, and accurate analysis of all imaging tests recommended in TG-142. Easily automate imaging QC for your linac and get quantitative, repeatable analysis for all tests. Full reports of all imaging tests are easily generated, and results can be tracked and trended.

**CATPHAN®/OBI, kV/MV & CONE BEAM**

**Varian 504 & 604 Catphan®**
- **Radia Outputs:**
  - Measures and plots material values and CT number linearity.
  - Measures: slice width, ramp alignment, rod distances, low contrast detectability, measures uniformity, integral non-uniformity, plots integral non-uniformity profile, contrast-to-noise, scores low contrast objects, measures and plots MTF.

**Elekta 503 Catphan®**
- **Radia Outputs:**
  - Measures and plots material values and CT number linearity.
  - Measures: slice width, ramp alignment, rod distances, low contrast detectability, uniformity, integral non-uniformity, plots integral non-uniformity profile, measures and plots MTF; uniformity mean difference, low contrast visibility.

**Siemens Image Quality Phantom**
- **Radia Outputs:**
  - Geometrical measurements, central area mean and standard deviation, uniformity measurements, measures and plots MTF, low contrast target scoring.

**Catphan® 500/600 Series**
- **Radia Outputs:**
  - Measures and plots material values and CT number linearity. Measures: slice width, ramp alignment, rod distances, low contrast detectability, uniformity, integral non-uniformity, plots integral non-uniformity profile, contrast-to-noise, scores low contrast objects, measures and plots MTF.

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**Cheese Phantom**
- **Radia Outputs:**
  - Analyzes 20 density areas for mean material value. Computes standard deviation, noise, uniformity and Contrast-to-Noise ratio of each material. Performs a resolution test on the resolution plug(s). All of these are to comply with TG-148 sections: VI.B.2.a,b, c, and d.

**CIRS 062 + 062A (Cone Beam)**
- **Radia Outputs:**
  - Measures and plots 17 density areas.

**Gammex 467**
- **Radia Outputs:**
  - Measures and plots 17 density areas.
  - Geometric measurement in X and Y direction.

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**ED**

**RIT EPID QC**
- **Radia Outputs:**
  - TG-142 recommended MV imaging tests, including geometric accuracy, EPID signal isotropy, resolution, low contrast detectability, uniformity, and noise
  - Support for all EPID devices: Varian aS500/ aS1000/ aS1200, Elekta iView™, and Siemens

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**DR/CR/FLUORO kV**

- **Leeds TOR-18**
- **IBA Primus® L**
- **PTW NORMI®-4**
- **DISC Plus**
- **Standard Imaging QCKv-1**

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**kV/MV**

**ISOcube™ Phantom**
- **Radia Outputs:**
  - kV/MV image coincidence, measures radiation / light field alignment for kV and MV, CBCT coincidence, 6 Degree-of-Freedom Couch test

**Penta-Guide Phantom**
- **Radia Outputs:**
  - kV/MV/CBCT image coincidence

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**BASE MODULES**

**DICOM Image Viewer**
- **Features:**
  - SMPTE pattern and TG18 images

**DICOM Tag Viewer**
- **Locate & Import Images**
  - **Features:**
    - DICOM Directory Browser
    - Open Directory Browser
    - DICOM file filter for organizing images

**Monitor Image Quality**
- **Features:**
  - Distance, angle, profile, histograms, round and square ROI, ASCII output of profiles.

**Manual Measurements**
- **Features:**
  - Print, PDF, Excel (with custom templates), XML

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**THE RIT FAMILY OF PRODUCTS:**
**MEDICAL PHYSICS’ LEADING QA SOFTWARE FOR OVER 25 YEARS**
Radia Diagnostic provides automated phantom analysis in seconds. The simple, easy-to-use tools provide complete scoring of all phantom parameters, with precision and accuracy. With its automated trending features, you can toss the pencils, manual logs, spreadsheets and binders, and cut your record keeping time down to zero.

### CT/CBCT

**Catphan® 500/600 Series**
- Features:
  - Alignment, CNR, CT number linearity, geometric accuracy, HU constancy, low contrast, noise, MTF, spatial resolution, slice thickness, uniformity

**ACR CT**
- Features:
  - Contrast statistics, CT material accuracy, CT uniformity, geometric accuracy, low contrast detection, MTF, slice thickness, spatial resolution

**GE CT QA**
- Features:
  - Contrast, laser accuracy, noise, resolution, slice thickness, uniformity

**Leeds Sedentex Dental CBCT**
- Features:
  - Artifacts, contrast, geometric distortion, resolution, uniformity

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### DR/CR/FLUORO

**IBA Primus® L // Leeds TOR-18 FG // PTW NORM®-4 FLU // DISC Plus**
- Features:
  - All phantom parameters, including contrast step wedge, geometric accuracy, low contrast detection, MTF, noise, uniformity

**MRI**

**ACR MRI**
- Features:
  - Geometric and slice position accuracy, ghosting, low contrast detectability, resolution, uniformity

**ACR Small MRI Analysis (Extremity & Breast)**
- Features:
  - Geometric and slice position accuracy, ghosting, low contrast detectability, resolution, uniformity

**Leeds MagiQ**
- Features:
  - Contrast, geometric distortion, resolution, slice thickness, uniformity and noise

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### BASE MODULES

**Cerberus**
- Features:
  - Monitors folders and processes incoming files, without lifting a finger or being present

**RITtrend™**
- Features:
  - Automated tracking, trending, and reporting database

**RIT Mirror**
- Features:
  - Compare your results with other centers around the world.

**Monitor Image Quality**
- Features:
  - SMPTE pattern and TG18 images

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**QueueC**
- Features:
  - Batch processing of images

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*Norm® is a registered trademark of PTW Primus® is a registered trademark of IBA

*RIT Trend™ is a trademark of Radiological Imaging Technology Inc.