SuperMAX ELECTROMETER

» The SuperMAX Electrometer combines high accuracy, reference grade measurements, wide bias voltage with a revolutionary touch screen interface and a host of advanced measurement features.

» Two Independent Measurement Channels
» Built-In Detector Library
» Easy-to-Use Interface
» Store Data Collection
» ExradinW1 Scintillator Integration

Stereotactic Dose Verification Phantom

» Ion chamber and film dose measurements in a water-equivalent phantom designed specifically for stereotactic radiosurgery and recommended by Accuray.
» Endorsed by CyberKnifeusers
» SDVP Heterogeneity insert lung equivalent material with gold fiducials to simulate small tumor
» 2 cm Blue Water ion chamber slab with cavity for chamber
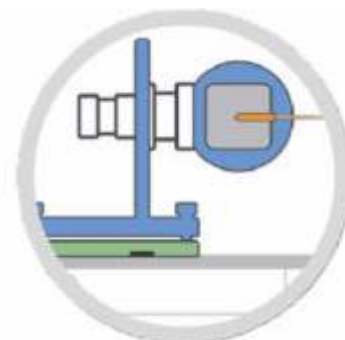» SRS DosimetricSlab provides complete geometric targets
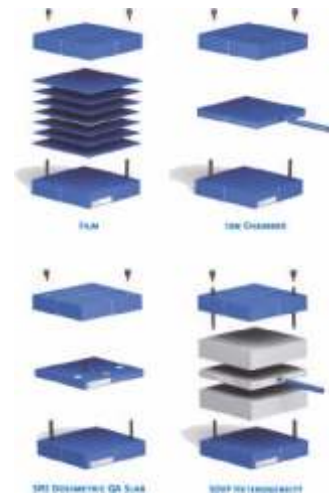
LUCY 3D QA PHANTOM
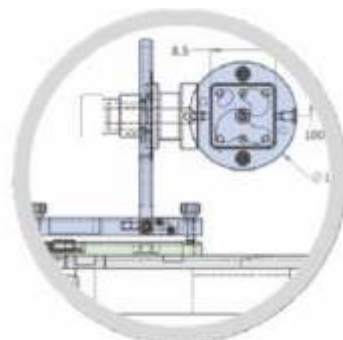
SCAN   PLAN   TREAT

LUCY

» **Confident Image Fusion**

Use Lucy to verify the accuracy of image fusion with a single phantom.Fused images can be compared to measurements described in the Lucy specifications to ensure sub-millimeter precision.

» **Minimize Transfer Errors**

Industry-leading manufacturing tolerances provide incomparable accuracy when contrasting the Lucy volumes, geometry anddistance measurements to images in treatment planning software. Since these measurements should be evaluated at each step of the imaging process, these rigid tolerances can drastically reduce cumulative uncertainty.

» **Simple Patient Dosimetry**

The dosimetry inserts for the Lucy quickly obtain absolute, relative and point-dose dosimetry measurements at isocenter and at exact positions off isocenter. This allows for a seamless evaluation of dose as well as geometric accuracy, including CBCT and MV/kV alignment.

ADAPTIVO PRE-TREATMENT

» No phantom needed. Verify plan delivery

» Analysis & reports are generated automatically.

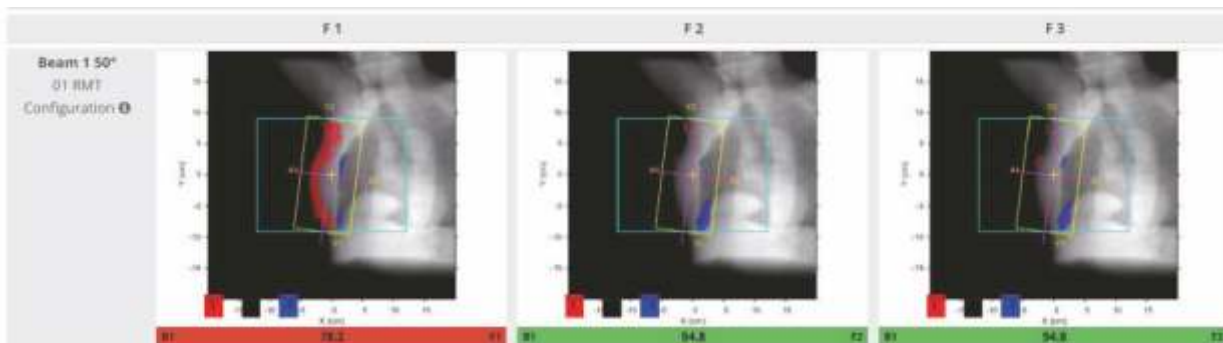» Alerts will be sent out if they are triggered by customizable tolerances
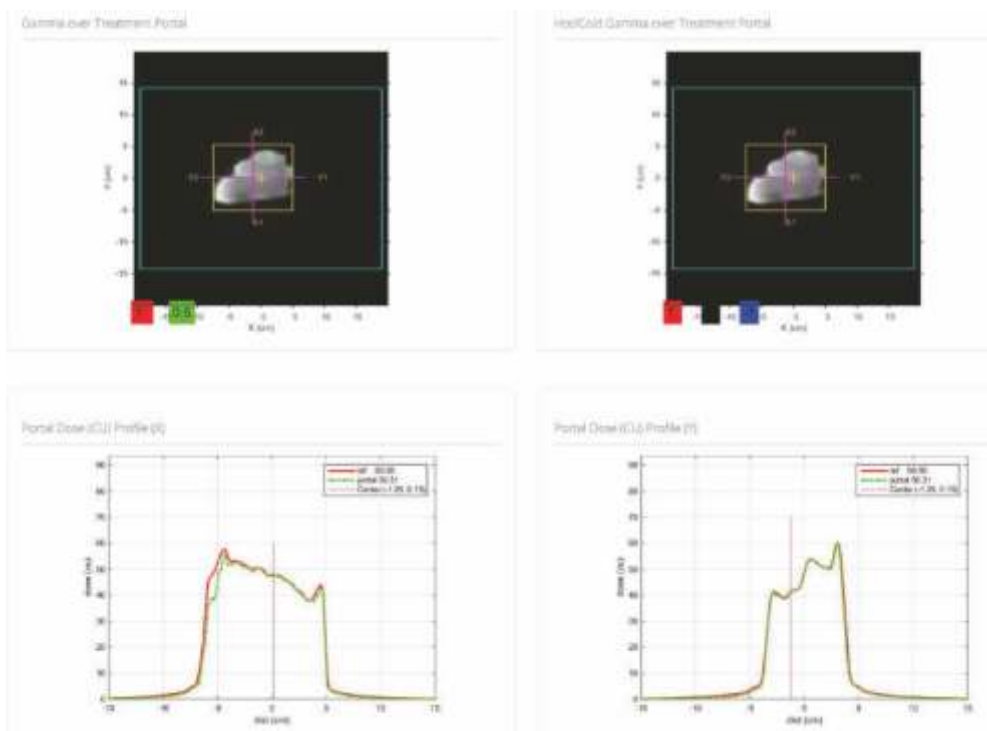
ADAPTIVO IN-VIVO

View per beam metrics, per fraction metrics, and gamma metrics.

Review daily patient position and daily patient geometry.

Account for daily couch shifts and detect patient setup errors

SOFTWARESoftware for accurate and independent verification of monitor units, dose, and overall validity of standard, IMRT rotational or brachytherapy plan

» Fast, Precise

Unprecedented accuracy from the patented "3-Source Model" algorithm, easy standard plan MU checks and uniquely comparative IMRT Plan QA -no film,phantom orlinactime required

» Accurate IMRT Dose Calculations

Import patient contours and specify regions of interest for precise patient-specific comparisons

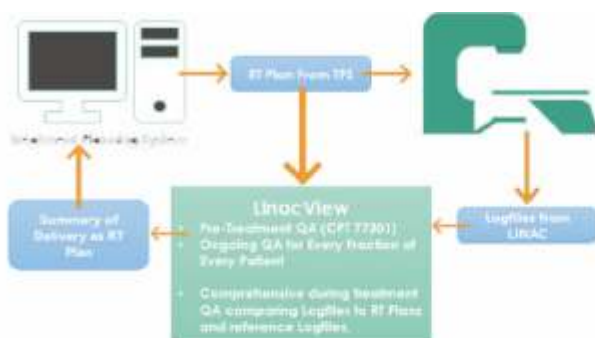Exceptional accuracy from patented 3-Source Model

» Easy MU Dose Calculations

Automatically calculate conventional plans.

Create simple plans in a user-friendly, single-page interface

» LINACVIEW

Automated, real-time analysis of every beam, every faction, for every patient.

» Supports Varian and Elekta logfiles

» Tests just about every logfile parameter

» Notifies in real-time for machine alerts and errors

» Creates reports and RT Plans summarizing treatment series.

Dosimetry Items

» Complete analysis RT plan fluence compared to calculated log file fluence provided

» Full analysis of each parameter tested in a convenient dashboard layout

» Real time logfile monitoring for every patient with no impact on patient workflow

» Therapists see dashboard results in real time during treatment

» Physicists receive automatic email alerts for significant machine performance issues.

» Automatic machine performance analysis for each fraction of every patient

ADAPTIVO

» The next generation of Patient Dosimetry is here

» Pre-Treatment QA :
   Pre-treatment plan delivered in-air to the portal imager
   Saves time, more accurate, higher resolution than arrays

» In-Vivo QA :
   Monitors both beam delivery and patient position
   Automatically provides analysis and notifications
   Includes easy troubleshooting and report generation

» Adaptive QA :
   Quantifies how changes in patient anatomy and setup will
   affect the cumulative patient treatment.
   QUANTEC and RTOG-based evaluation parameters puts
   actionable data in the hands of doctors to improve patient treatment quality

ADAPTIVO ADAPTIVE

Review daily and cumulative DVH as well as dose delivered to targets and ROIs in any slice of axial, sagittal, or coronal axis. View dose distribution on complete CT image sets. Compare daily and cumulative delivered dose to planned dose
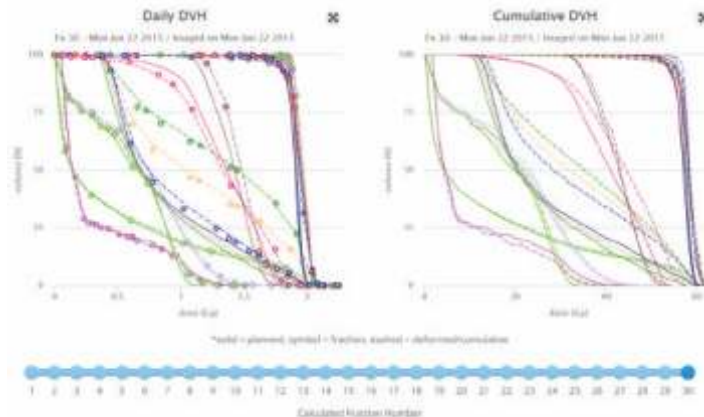
Standard Imaging Solutions for CyberKnife

 » QA BeamCheckerPlus
 » Stereotactic Dose Verification Phantom with Top Hat and Cradle
 » SuperMaxElectrometer
 » ExradinDetectors
 » PIPSproStereotactic Software
 » DoseView1D
 » QA CrossChecker
 » QA StereoChecker

Automated Iris™ QA(Accuray)

 » Complete in 5 minutes
 » Scan quality data every morning
 » Measure profiles, field width, penumbra, flatness
 » Capable of detecting a 0.1 mm field size variation

 » Filmless and Fast No film needed :
 Achieve accurate results within 0.1 mm in less time -hours reduced to minutes -while saving money and potentially increasing patient safety. QA is done using the clinical pathway rather than the typical QA service mode for more realistic and faster results

Treatment LocalizationSystem QA-TLS/TDS

 » Complete in 5 minutes
 » Replaces film-based AQA and is faster and easier
 » Measure absolute eccentric and center deviation
 » Capable of detecting a 0.5 mm total translational offset

 » Easy Method, Better Practice :
 Designed to be used by both physicists and therapists, this easy method for complete daily CyberKnifeQA enables improved frequency and depth of QA practices, potentially improving clinical results