



Daily kV-MV Projected Image Analysis QA Software

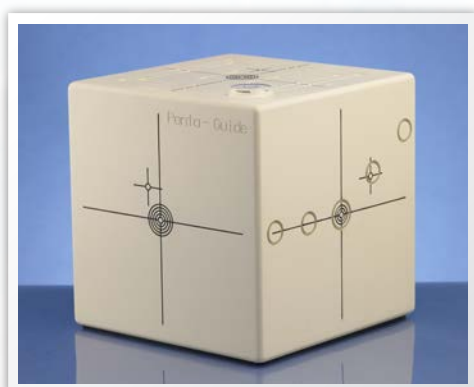
Penta-Guide

KEY FEATURES

- ✦ Compatible with LINACS from multiple vendors
- ✦ Automated image analysis, trending and reporting of 3D CBCT and kV-MV projection images
- ✦ Analysis runs unattended in the background
- ✦ Configure baseline values and set thresholds
- ✦ Specify the tolerance level for each test
- ✦ Review and approve test results
- ✦ Save reports in PDF format or export results to Excel
- ✦ Control multiple user access and security levels
- ✦ Email test results to a pre-determined list of recipients
- ✦ Unlimited QUASAR™ Penta-Guide Client installations



Above: Screen shot, Daily kV-MV Isocenter QA trending chart



Above: The QUASAR™ Penta-Guide Phantom, used for commissioning and regularly scheduled QA. The Phantom requires little or no extra time to complete daily testing of IGRT systems during equipment warm-up procedures.

The QUASAR™ Penta-Guide QA Software is a time-saving application designed to simplify, enhance and automate the image analysis, trending and reporting of 3D CBCT and kV-MV projection images.

The software is available in two versions, QUASAR™ Penta-Guide Enterprise and QUASAR™ Penta-Guide Lite. The Enterprise edition utilizes a central SQL database to enable administrators to manage LINAC configurations, define user-roles, security access levels and adjust outgoing mail server settings to automatically send test results to physicist to view, approve, analyze and monitor trends. The central server runs unattended in the background and automatically analyzes QUASAR™ Penta-Guide Phantom images based on the DICOM tag configuration. Test results are retained in the central SQL database for long-term storage and trend analysis.

The QUASAR™ Penta-Guide Lite edition is a free feature-limited version of the original application (SQL database is not available for storage and retrieval of data). Modus is pleased to include QUASAR™ Penta-Guide Lite as a FREE Download with all QUASAR™ Penta-Guide Phantom orders.

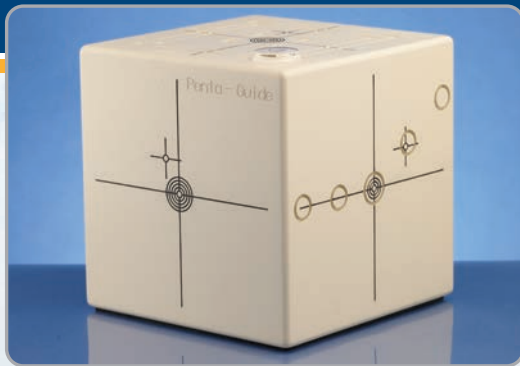
IMAGE ANALYSIS

The QUASAR™ Penta-Guide Enterprise edition offers enhanced trending and reporting features based on the following parameters:

- ✦ Central Sphere Location
- ✦ Isocenter and Scale Error
- ✦ Contrast to Noise Ratio
- ✦ CT# for Air and Acrylic
- ✦ MV Isocenter Location
- ✦ Phantom Rotation
- ✦ Pitch, Roll and Yaw

MINIMUM TECHNICAL REQUIREMENTS

- ✦ Standard desktop or laptop PC with Windows 7, Vista, or XP
- ✦ 1 GB RAM
- ✦ .NET framework 4.0 for client and server
- ✦ SQL Server (version 2008) for data



QA PHANTOMS

IGRT testing can be completed during equipment warm-up

QUASAR™ in Radiation Therapy

The Quality Assurance System for Advanced Radiotherapy (QUASAR™) supports the testing of a wide variety of dosimetric and nondosimetric functions of planning systems, CT simulators and delivery systems.

QUASAR™ is a valuable part of any quality assurance program. From respiratory motion and MLC beam geometry to daily on-board imaging QA, QUASAR™ phantoms and software are ready to be incorporated into your QA protocols for regularly scheduled testing. They are also effective for commissioning new systems and upgrades, and testing repairs.

Designed by and for medical physicists, QUASAR™ quality assurance tools provide you with confidence that every patient is getting the best possible treatment.

ORDERING INFORMATION

- 100-3060 QUASAR™ Penta-Guide Enterprise:
 - ✦ 1-Network License for 1 LINAC
 - ✦ 1-Year of Annual (Software) Updates
 - ✦ 4 hours of (Software) Installation Support
- 500-5009 Additional QUASAR™ Penta-Guide Enterprise
 - ✦ 1-Network License for 1 LINAC
- 500-5012 QUASAR™ Penta-Guide Enterprise Support
 - ✦ Annual Service Agreements

OPTIONAL ACCESSORIES

- 100-1009 QUASAR™ Penta-Guide Phantom

CONTACT INFORMATION

Toll Free: (866) 862-9682 (North America)
 Phone: +1 (519) 438-2409
 Fax: +1 (519) 643-0127

info@modusmed.com
 www.modusmed.com