

QUART DVT_PRO

CBCT Image Quality Assurance Software



QUART DVT_PRO

CBCT Constancy Test Software



This unique QA/QC software automatically evaluates and displays all parameters that were acquired using the QUART DVT_KP test phantom. Only two slice images from the QA data set are required to conduct a complete constancy test.

Unique in kind, the DVT_PRO software automatically calculates image related parameters to assure a constant image quality of the imaging system. After equipment installation, a set of baseline values is established. In any subsequent constancy test the software will automatically check and verify if the test results coincide with the baseline within a certain tolerance margin as per DIN standard. The DVT_PRO software is

- DIN 6868-15 compliant for constancy tests.

Despite its technical character, the software is easy to use. It provides a walk-through function which assists users in carrying out the QC procedure.

The QUART DVT_PRO stores the result of each single test in its internal data bank. In addition, a Protocol print-out function is provided for matters of documentation (obligatory hardcopy) or general reference.

Test Parameters

- _ Nyquist Frequency (NF)
- _ Contrast-to-Noise Ratio (CNR)
- _ Homogeneity / Image Uniformity
- _ Modulation Transfer Function (MTF) at 10% & 50% modulation _
- Artefacts, Image Flaws, etc.
- _ Additional QA/QC related tests such as Geometry test, etc. to be conducted in an external DICOM viewer

General Features

- _ One-click fully automated image evaluation
- _ Data import enabled from QUART DVT_TEC to increase work flow efficiency _
- Quick and easy server registration for end-users available 24/7
- _ Developed for ease-of-use

