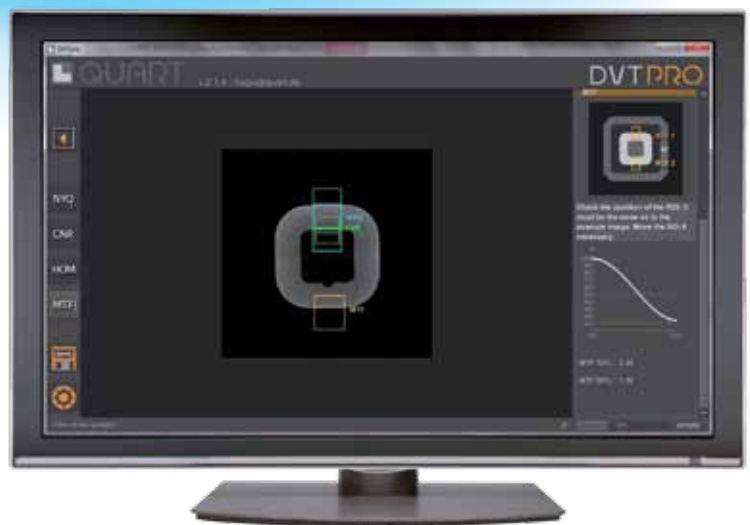


QUART DVT\_PRO

# 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

