Delta⁴
by ScandiDos

Delta4 Machine QA

Ensure Precision.
Enhance Patient Safety.

Machine QA

CONFIDENCE | SAFETY | ACCURACY | EFFICIENCY

Confidence in Your Machine

In radiation therapy, precision is everything. Even the slightest deviation in machine performance can impact treatment outcomes.

Delta4 Machine QA allows you to use your Delta4 phantom to execute a comprehensive suite of automated tests to ensure your treatment machine operates with the highest accuracy.

With periodic checks and real-time insights, you can trust that every patient receives safe and effective treatment, every time.

CUSTOMIZED QA PROTOCOLS FOR COMPLETE CONTROL

Every clinic has unique quality assurance needs. Delta4 Machine QA allows users to define their own Machine QA protocols by selecting from a comprehensive list of tests, tailoring each test to their own preferences, and determining the frequency of execution.

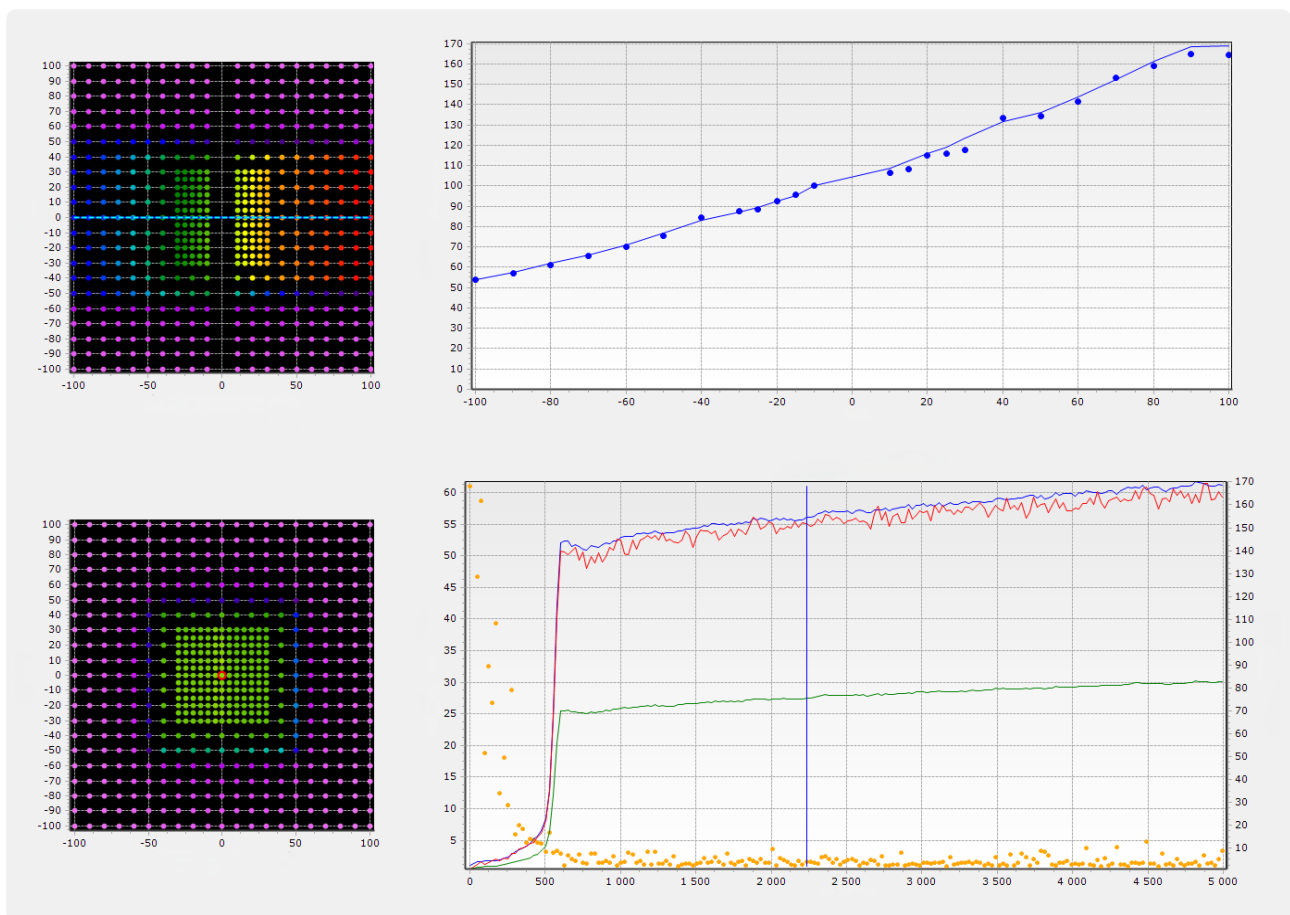*Define your own Machine QA protocols*

COMPREHENSIVE QA TESTING FOR RELIABLE PERFORMANCE

Delta4 Machine QA offers a wide range of tests to ensure the accuracy and stability of every aspect of your linac. Each test is designed to provide critical insights, helping you maintain optimal treatment quality.

- **Machine Start-Up Behavior -** Monitors machine performance during the first seconds of radiation delivery and measuring stabilization time. Essential for gated treatments when the delivery is frequently interrupted.

- **Lateral Dose Profiles -** Compares lateral dose distributions against a reference to detect deviations. Fully compatible with AAPM TG 142 recommendations.

- **Depth Dose Profiles -** Compares depth dose distributions against a reference to detect deviations. Fully compatible with AAPM TG 142 recommendations.

- **MLC Check -** Verifies the absolute positioning of MLC leaves to ensure precise beam shaping and treatment accuracy.

EFFICIENT TESTING WITH ONE SINGLE MEASUREMENT

Performing quality assurance has never been easier. Delta4 Machine QA streamlines the testing process by consolidating all necessary measurements into a single DICOM plan. Instead of conducting multiple separate measurements, users only need to acquire data from this one plan to obtain results for all selected tests in their protocol. This not only saves time but also ensures a smooth and efficient workflow, allowing clinics to maintain high-quality standards without disrupting treatment schedules.

Machine start-up behavior check with Delta4

Innovative
and Efficient QA
delta4family.com

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