Dosimetry and QA Solutions for MR-Guided Radiotherapy
Product Overview

PTW THE DOSIMETRY COMPANY
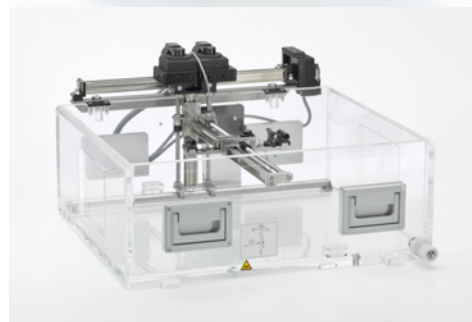
BEAMSCAN® MR

Motorized 3D Water Scanning System

Highlights

▶ Integrated, fully equipped solution – from measurement to documentation

▶ All-in-one system for fast, hassle-free setup

▶ Vendor-specific water tanks with optimized scanning ranges:
568 mm x 145 mm x 355 mm (Elekta),
408 mm x 248 mm x 355 mm (ViewRay®)

▶ Maximum speed of 30 mm/s

▶ Patented TRUFIX® system for quick axial and radial detector setup

▶ Consistent detector orientation for all scans, including off-axis scans

▶ Straightforward, largely automated operation with predefined task lists

▶ Fully integrated with Track-it for automated reporting

Options

▶ Radiation Detectors

▶ Track-it QA Data Management Software

Patient QA

OCTAVIUS® 4D MR

Modular Solution for Patient and Machine QA

Highlights

▶ Patient and machine QA with one single system – from measurement to reporting

▶ Unique rotating phantom – true isotropic geometry

▶ True 3D dose verification – inside the entire phantom volume

▶ High-resolution detector OCTAVIUS® 1500 MR – highest detector density, best field coverage for better results

▶ MR positioning check with markers within the phantom

▶ 3D dose and patient DVH calculation entirely independent of the TPS

▶ Modular phantom with exchangeable top for LINAC QA

▶ Efficient case-related monitoring of QA results with Track-it

Options

▶ LINAC QA for OCTAVIUS®

▶ Track-it QA Data Management Software

Machine QA

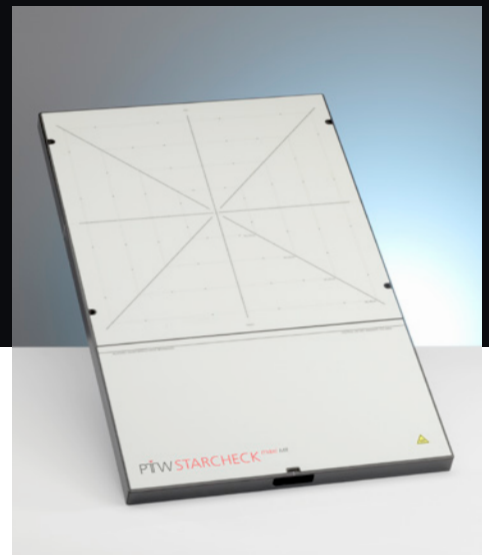# STARCHECK^{maxi}® MR

Advanced LINAC QA

Highlights

▶ Complete LINAC QA with one single device – from measurement to documentation
▶ Fast acquisition of all relevant beam data in one single shot:
  in-plane, cross-plane, diagonal beam profiles, beam parameters, dose
▶ Highest spatial resolution (3 mm)
▶ Optimal detector layout and density – 707 air-vented ionization chambers
▶ 40 cm x 40 cm field measurements at clinically relevant 100 cm SSD
▶ Fully integrated with Track-it for automated reporting

Options

▶ Build-up plates (40 cm x 40 cm)
▶ Track-it QA Data Management Software

Absolute Dosimetry

UNIDOS^{webline}®

Reference Class Electrometer

Highlights

▶ Industry-leading electrometer exceeding IEPM and IEC standards
▶ Widest range of application-specific detectors
▶ Comprehensive detector library for more than 50 detectors
▶ Standalone and remote operation
▶ Integrated self-tests with status reports via e-mail

Options

▶ Manual MP1 MR 1D Water Phantom
▶ Track-it QA Data Management Software

Radiation Detectors

PTW Farmer (30010*, 30013)
Volume: 0.6 cm³
Field size:
(5 x 5) cm² … (40 x 40) cm²

PinPoint® Chamber (31023)
Volume: 0.015 cm³
Field size:
(2 x 2) cm² … (40 x 40) cm²

Semiflex Chamber (31010)
Volume: 0.125 cm³
Field size:
(3 x 3) cm² … (40 x 40) cm²

Advanced Markus® Chamber
(34045)
Volume: 0.02 cm³
Field size:
(3 x 3) cm² … (40 x 40) cm²

Semiflex 3D Chamber (31021)
Volume: 0.07 cm³
Field size:
(2.5 x 2.5) cm² … (40 x 40) cm²

microSilicon (60023)
Volume: 0.03 mm³
Field size:
(1 x 1) cm² … (10 x 10) cm² for photons

PinPoint® 3D Chamber (31022)
Volume: 0.016 cm³
Field size:
(2 x 2) cm² … (40 x 40) cm²

microDiamond® (60019)
Volume: 0.004 mm³
Field size:
(1 x 1) cm² … (40 x 40) cm²

MR safety certificates available.

*non-waterproof

For more information on PTW dosimetry and QA solutions,
visit www.ptw.de or contact your local PTW representative.

Some of the listed products are not yet available for sale.
Some of the listed products are not available for sale within the USA.
Please contact PTW for release information.

PTW
THE
DOSIMETRY
COMPANY