

New Products 2021





ptwveriqa.com

VERIQA* - The Modular Software Platform

For comprehensive Patient QA

Patient QA
modular OCTAVIUS 4D
efficient Track-it confident Log files
SciMoCa **VERIQA** EPID
proven Monte Carlo
workflow orientated simplified documentation
In-vivo Dosimetry full automatization
Secondary Dose Check
PTW quality

Your advantages

- ▶ One platform: From visualization and evaluation to verification and reporting. All in one modular platform, built on future-proof client-server architecture.
- ▶ Take your workflow efficiency to a next level and automate your processes.
- ▶ Track and analyse your results with the automated integration of Track-it.
- ▶ Clinically proven, independent 3D dose verification tools and calculation algorithms for reliable results, independent of treatment complexity

* Not available for sale in the US.



VERIQA RT MonteCarlo 3D

3D dose calculation with SciMoCa. Accurate. Fast. Automated.

“For us VERIQA is an easy to handle, very useful and helpful software tool for secondary dose calculation.”

Rodrigo Lope Lope, Medical Physicist, Hospital Universitario Araba, Vitoria-Gasteiz

“VERIQA is extremely suitable, dynamic and efficient. It offers an excellent solution for independent plan verification, with a high-quality dose calculation. We believe it is important to establish appropriate tolerance and action levels for the use of VERIQA.”

Dr. Vicente Carmona , Medical Physicist, Hospital Universitari i Politècnic La Fe, Valencia



Scan this QR code and get more information about VERIQA RT MonteCarlo 3D. Also explore a **workflow demo** video and many features of that new software platform.

As flexible as your needs.

The new modular phantom platform
for high-precision radiotherapy and
SRS/SBRT QA.



ptwruby.com

RUBY - The Modular QA Phantom

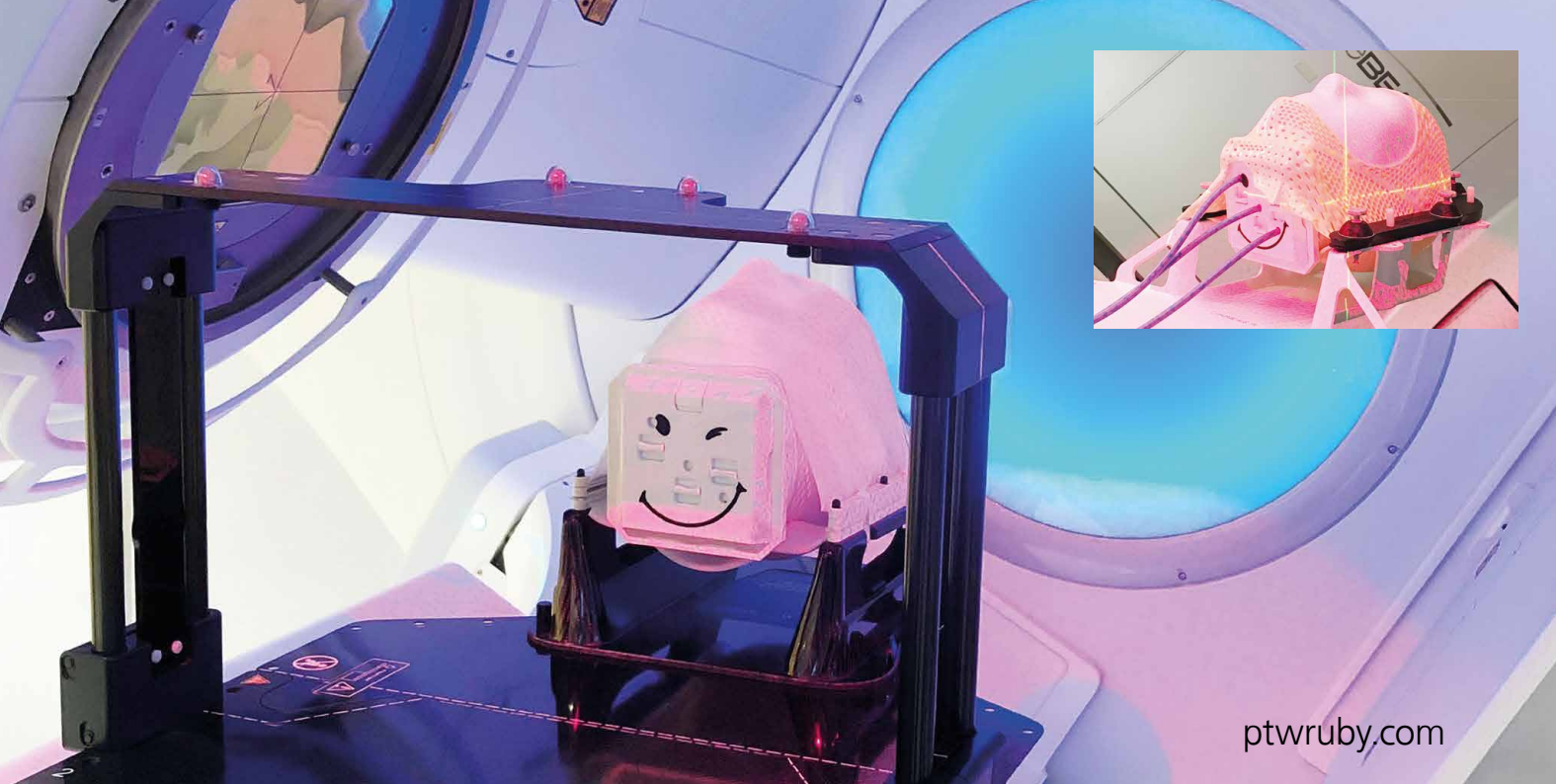
One Phantom. Multiple Inserts. System QA. Linac QA. Patient QA.



The new insert for multiple
metastases applications

Your advantages

- ▶ Perform integrated tests of the entire treatment chain with one basic phantom by adding and expanding QA capabilities as and when you need them
- ▶ Technologically advanced, new modular phantom platform with powerful, ready-to-use application-specific inserts
- ▶ Comprehensive end-to-end testing of the entire SRS/SBRT treatment process with one single insert
- ▶ Measurement-based patient-specific plan verification, including non-coplanar treatments, with film and different detector types
- ▶ CT markers in phantom and all inserts for enhanced visibility



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Multiple Metastases Applications

RUBY Head Phantom with System QA MultiMet insert

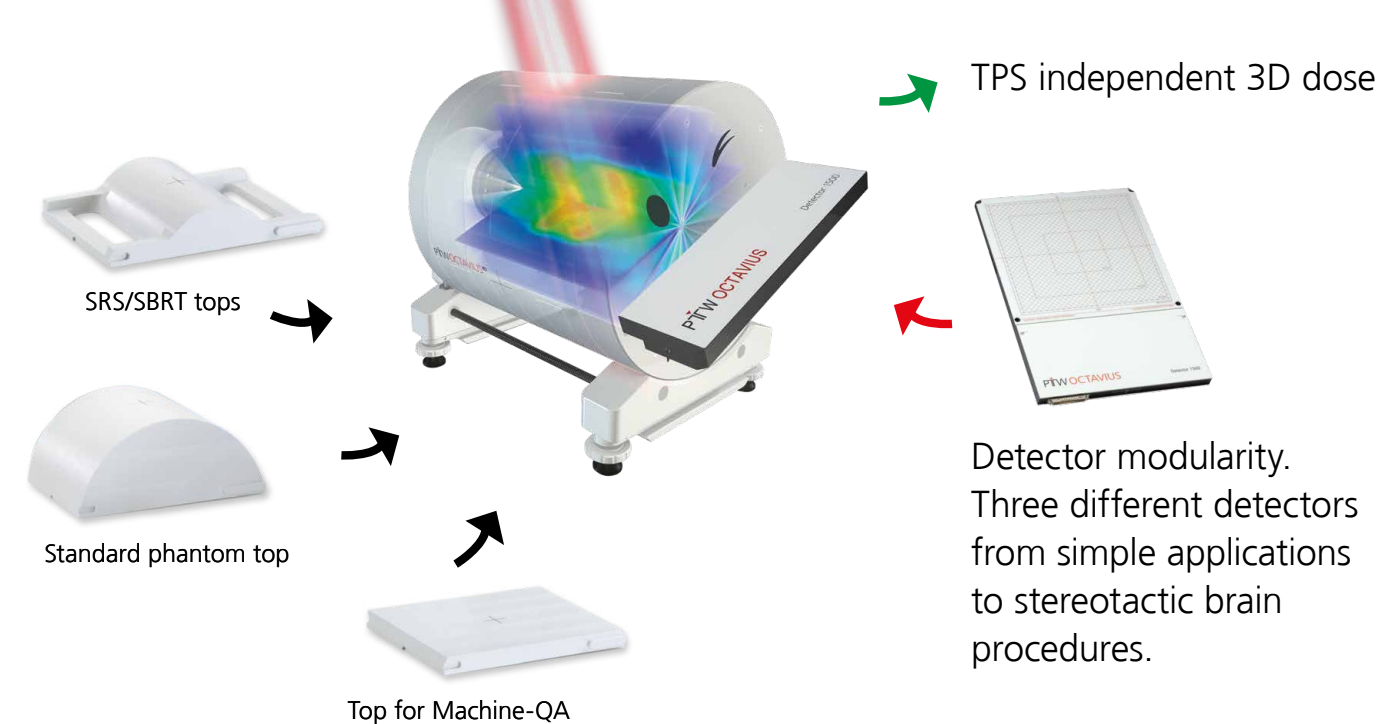


Your advantages

- ▶ Systematic QA of multi metastases treatment techniques with single isocenter
- ▶ Three detectors at different positions can be positioned within the insert
- ▶ Modular system - RUBY head phantom is compatible with all RUBY inserts
- ▶ For couch extensions equipped with head shells - mask system compatible



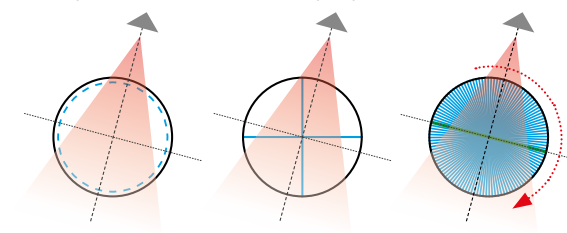
Scan this QR code and get more information about applications for the RUBY phantom in high-precision radiotherapy.



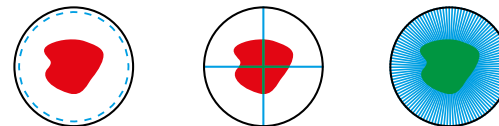
OCTAVIUS^{4D}

One phantom - modular solutions for 4D patient and machine QA

Transparent measurements perpendicular to the beam



Full coverage of clinically relevant regions

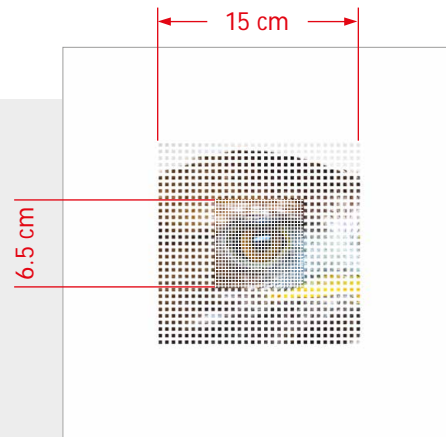


Your advantages

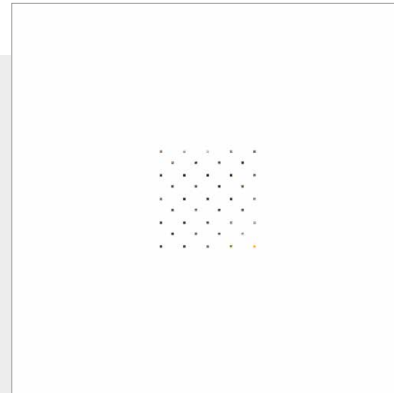
- ▶ Time dependent and angular dependent dose measurement
- ▶ Synchronous phantom rotation with the linac gantry
- ▶ Detector array always perpendicular to the beam - no angular dependence
- ▶ Only 4D dose verification system that measures dose in the entire phantom volume
- ▶ Verification of treatments including non-coplanar beams, off-axis target volumes, large fields and treatment plans with multiple energies



Original picture



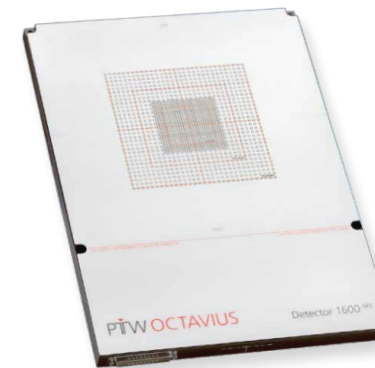
OCTAVIUS Detector 1600^{SRS}



Diode detector

OCTAVIUS[®] Detector 1600^{SRS}

Detector array for patient plan verification and quality control of SRS applications



Your advantages

- ▶ The only system for true 3D SRS/SBRT plan verification available on the market
- ▶ Best available field coverage for SRS applications with a field size of 1 x 1 cm² to 15 x 15 cm²
- ▶ 1521 liquid-filled ionization chambers guarantee a long lifetime and stable measurements
- ▶ Filmless patient plan verification and machine-specific QA
- ▶ Suitable for QA of IMRT, VMAT and SRS/SBRT with OCTAVIUS 4D – independent from TPS
- ▶ Verification of single isocenter SRS for multiple brain metastases
- ▶ Active volume 2.5 x 2.5 x 0.5 mm³ and detector spacing center area: 2.5mm



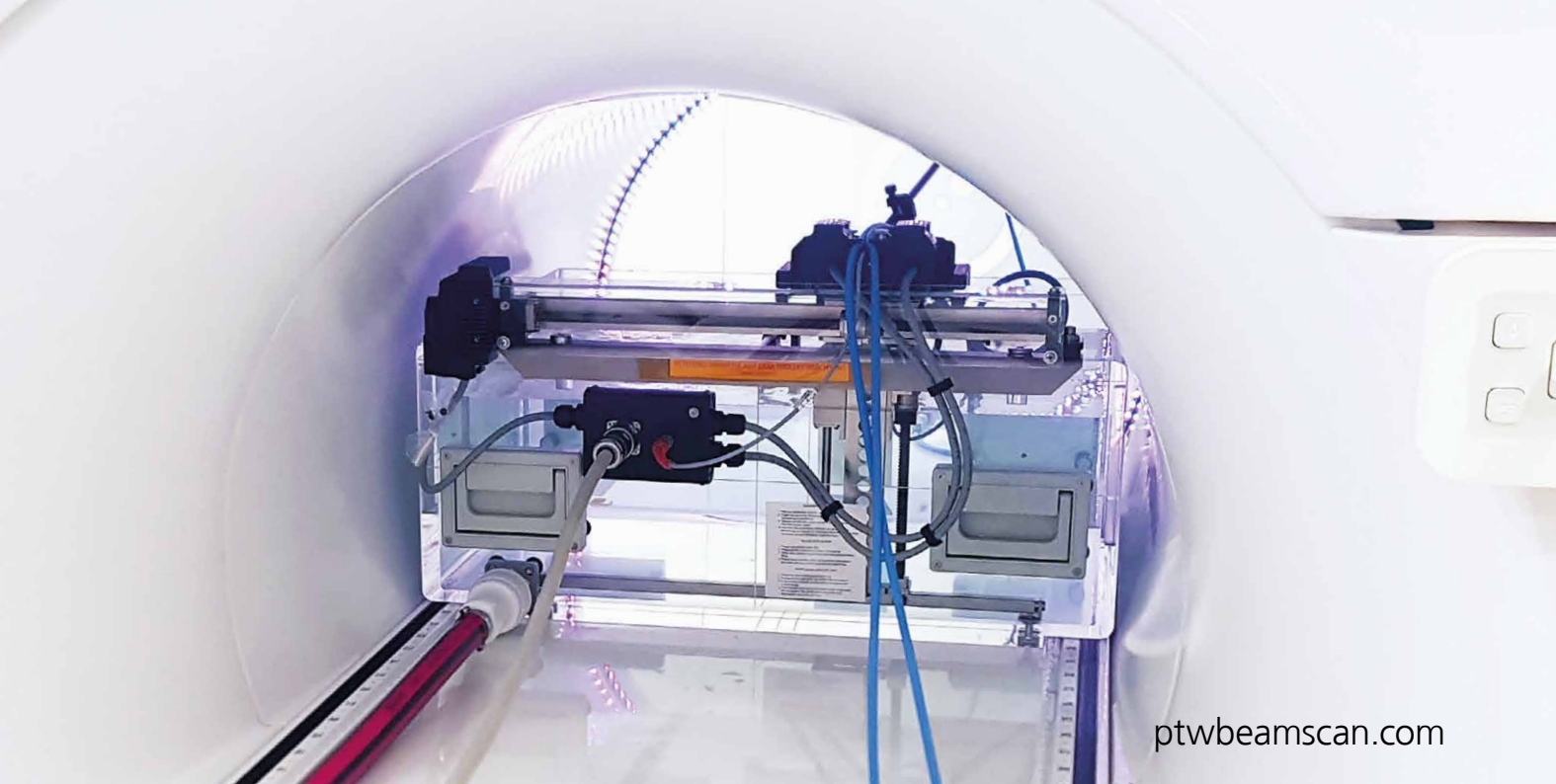
UNIDOS® Tango

Reference class electrometer exceeding IEC 60731 and IPEM standards

Your advantages

- ▶ Perform reliable measurements with highest precision and accuracy
- ▶ Automated detector management with Intelligent Detector Recognition (IDR)
- ▶ Control UNIDOS Tango via smart device or PC (WLAN and LAN)
- ▶ Create individual and password protected profiles for improved measurement consistency
- ▶ Capacitive touchscreen with excellent readability from any viewing angle
- ▶ Intuitive, multi-lingual GUI with high usability





ptwbeamscan.com

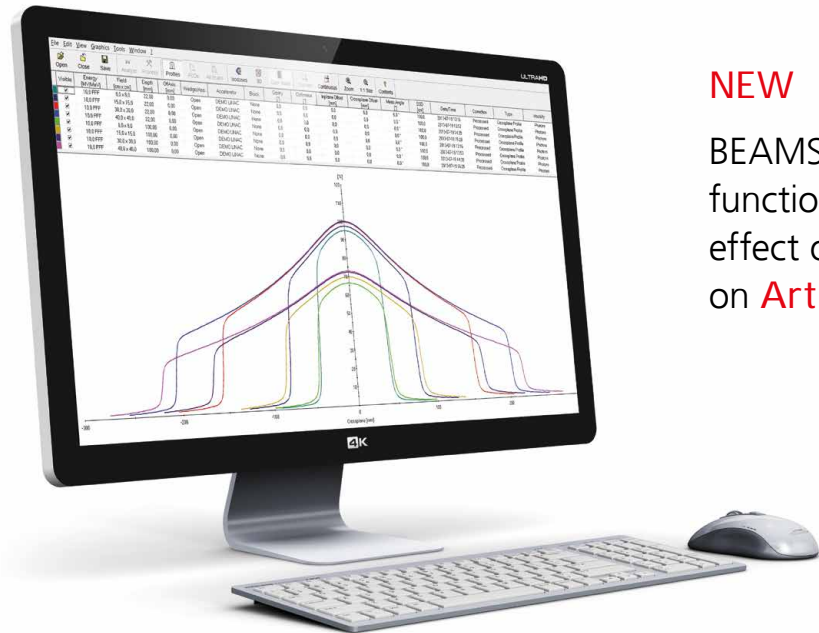
BEAMSCAN® MR - more than 30 installations worldwide

First motorized 3D water phantom suitable for clinical use in up to 1.5 T MR environment



Your advantages

- ▶ Complete solution for commissioning and QA of MR-Linacs: From beam data acquisition, processing and analysis to protocol-based documentation
- ▶ All-in-one, ready to use system with comfortable touch panel for fast setup – incredibly versatile and straightforward in its operation
- ▶ Reference-class Semiflex 3D ionization chambers for precise dose measurements in small and standard fields up to 40x40 cm
- ▶ Two models with vendor-specific water tanks for optimized scanning ranges for Elekta Unity and ViewRay® MRIdian®
- ▶ Auto alignment - no lasers or light field needed



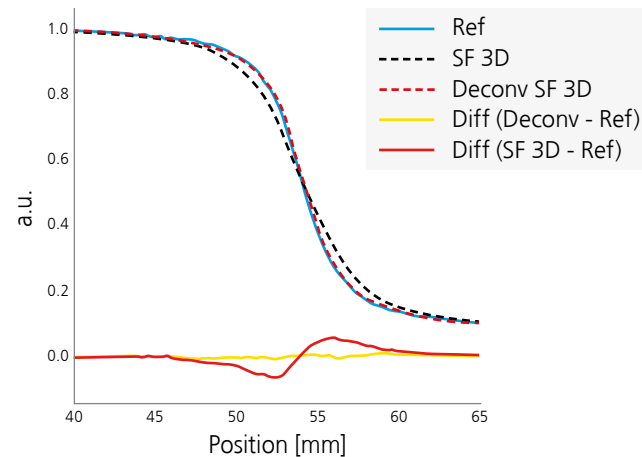
NEW

BEAMSCAN Software 4.5 offers a function to compensate the volume effect of ionization chambers¹ based on **Artificial Intelligence**.

¹ Available for Semiflex 3D.

NEW: BEAMSCAN® Software 4.5

Introducing Artificial Intelligence in dosimetry



Compensation of the volume effect

Your advantages

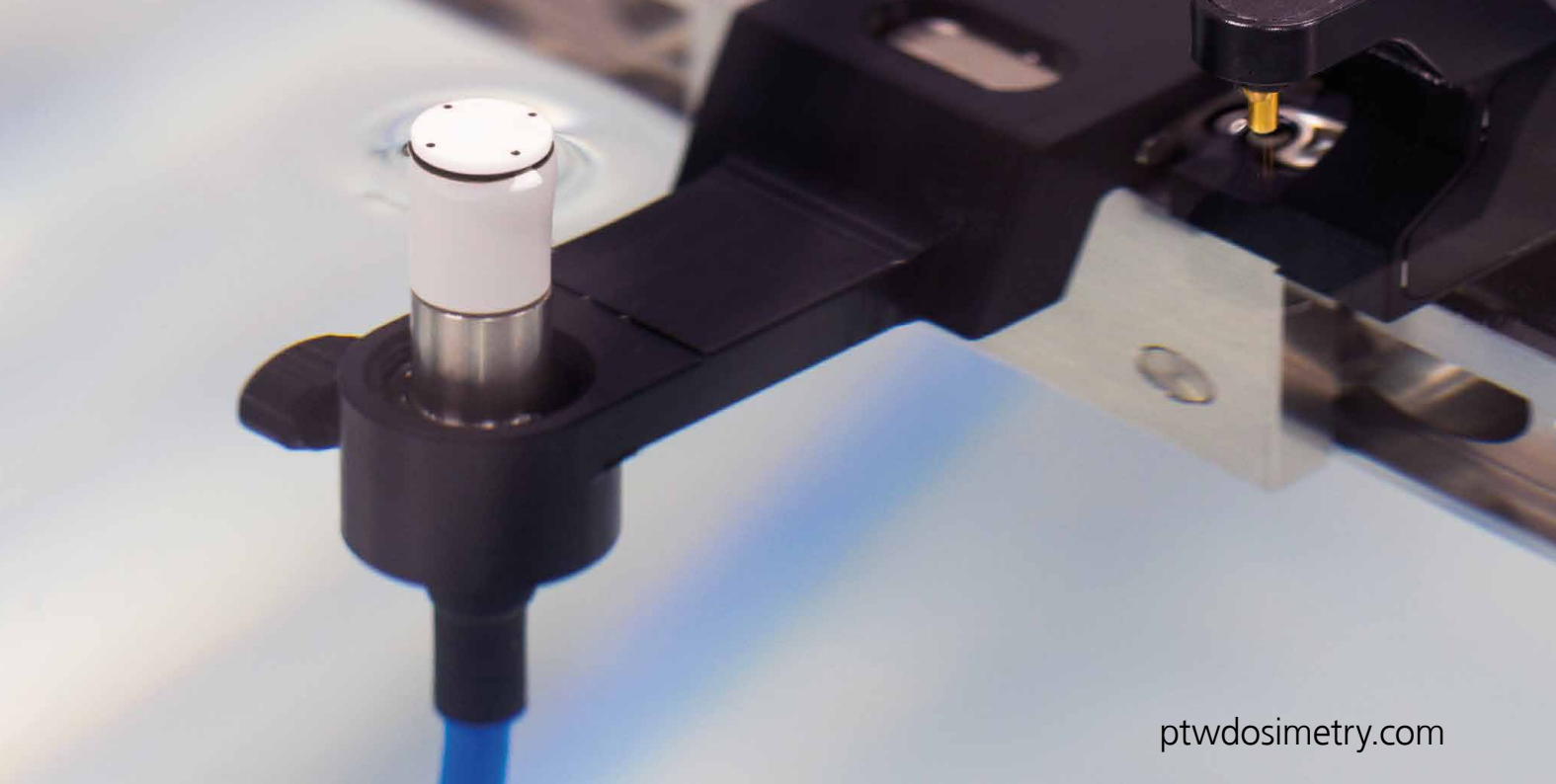
► Data processing based on Artificial Intelligence

- Compensation of the volume effect for transversal profiles of photon beams (deconvolution)
- Denoising² of photon and electron PDDs and transversal profiles

► Advanced analysis features

- Real time beam data analysis
- Smart comparison of multiple scans
- Support of Elekta 2020 Customer Acceptance Test Protocol
- Task 'Output Factors' for Beamscan MR

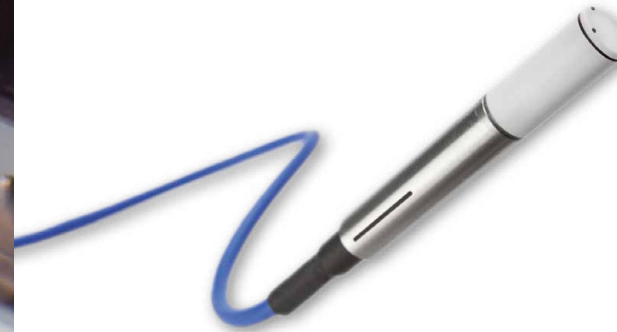
² For data measured with microDiamond.



ptwdosimetry.com

microSilicon X

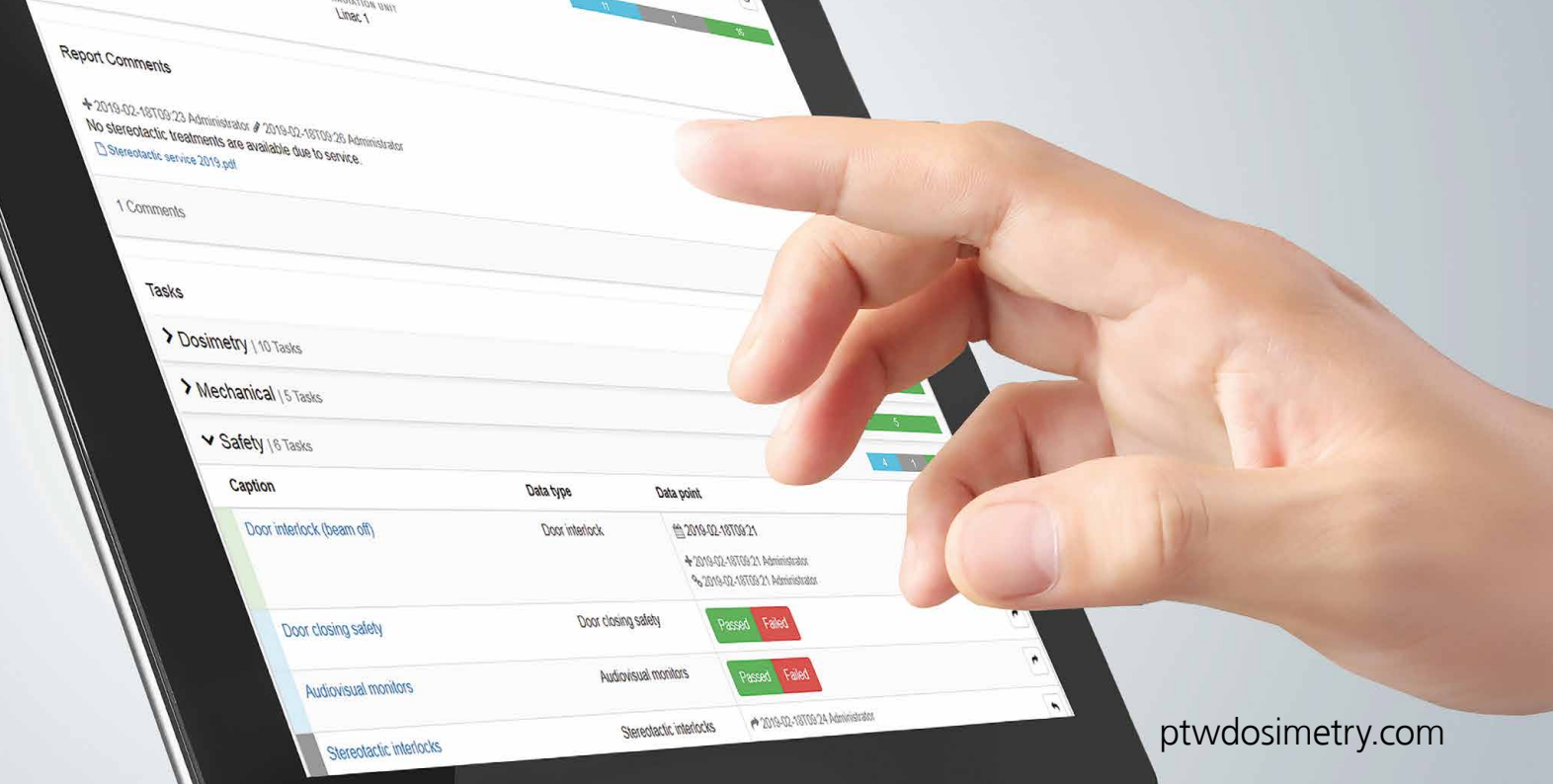
The shielded silicon detector for all photon fields



Scan this QR code and see the PTW detector selector to find the best detector for your applications.

Your advantages

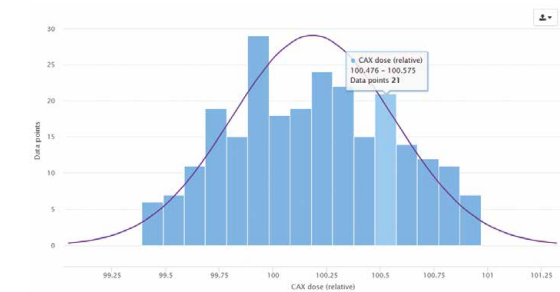
- ▶ Shielded diode perfectly suited for photon field sizes up to 40 x 40 cm²
- ▶ The shielding reduces the low energy scattered radiation amount in the detector signal
- ▶ Outstanding spatial resolution for precise beam profile measurements
- ▶ Excellent dose stability (@6 MV ≤ 0.1 %/kGy)
- ▶ Low dose per pulse dependence
- ▶ Improved water equivalence
- ▶ Very low sensitivity variation with temperature



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Track-it QA Data Management Software

New version 3.0 including statistical evaluation with box plots and histograms.



See how Marienhospital Düsseldorf uses Track-it to optimize their QA procedures.

Your advantages

- ▶ User-defined protocol templates to customize the application to the specific needs of your QA workflows
- ▶ Web based application using desktop or mobile devices
- ▶ Online or offline QA report generation, e.g. in vaults without wireless network
- ▶ Compliance with DIN 6847-5/-6, 6875-4 and TG-142 through predefined templates
- ▶ Traceability - recording of all main steps in the workflows, such as data entry, modification and linking to reports
- ▶ Trend analysis over time and across your treatment devices with versatile display options
- ▶ Efficiently manage all QA data on one single platform



Dosimetry and QA Solutions for ZAP-X® Radiosurgery System

Tested and clinically proven by ZAP-X® users



Scan this QR code and see an overview of PTW products for ZAP-X®.

- ▶ MP3-XS for ZAP-X®
Dedicated 3D water phantom system with 20 x 20 x 30 cm scanning range - complete, ready-to-use solution, including scanning and reference detectors
- ▶ UNIDOS Tango
Award-winning, high-precision reference class electrometer
- ▶ RUBY Head Phantom Set MultiMet
Fast daily QA check integrating the imaging workflow as well as systematic end-to-end testing
- ▶ OCTAVIUS Detector 1600 SRS for ZAP-X®
Dedicated, high-resolution liquid-filled ionization chamber array for multiple-met SRS treatment plan verification and beam profile measurements



NEW: MyPTW - The new PTW Customer Portal

Enrich your PTW service experience



Your advantages

- ▶ Manage all your PTW hardware and software products in one place
- ▶ Access all your calibration certificates and manuals
- ▶ Submit service and support requests very easily
- ▶ Benefit from exclusive product information, podcasts and tutorials
- ▶ Find your local contacts
- ▶ Manage your own team access for myPTW



Scan this QR code to join your myPTW customer portal or use the link: myptw.ptwdosimetry.com



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