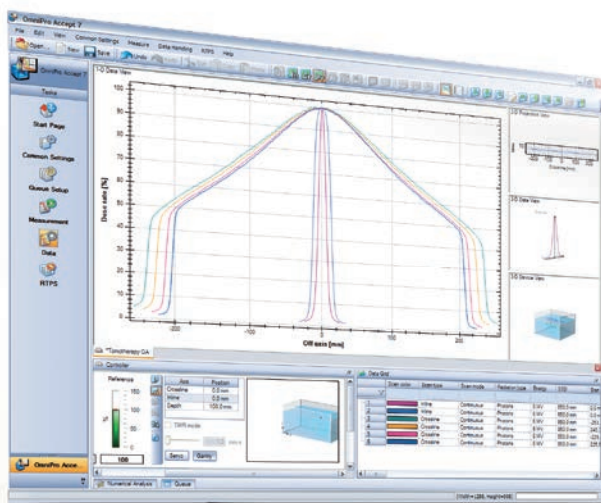


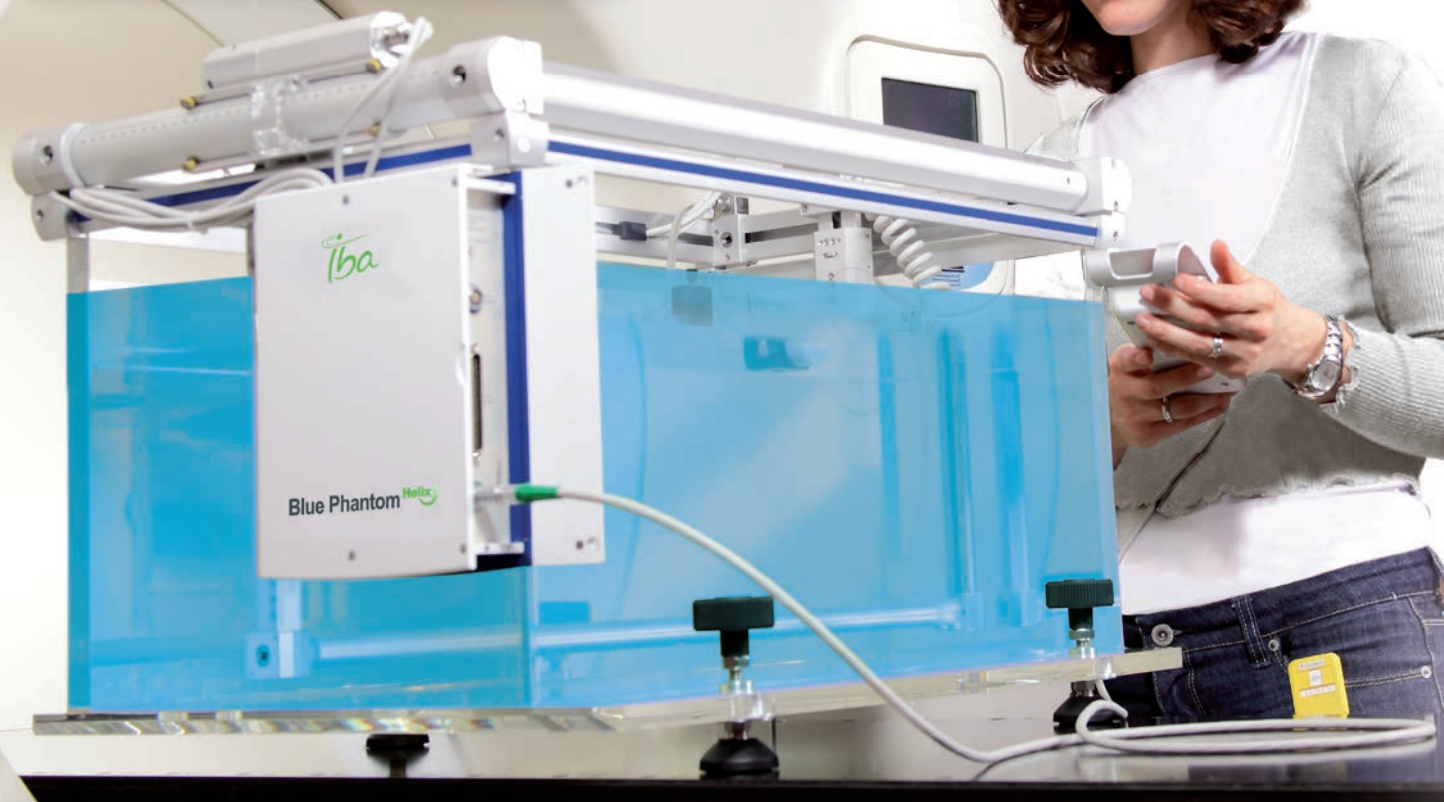
COMMISSIONING & QA FOR TOMOTHERAPY®



Blue Phantom^{Helix}



Tomotherapy
HI-ART



**FASTEST, MOST ACCURATE, MOST RELIABLE
RELATIVE DOSIMETRY**

Tomotherapy

3D RELATIVE DOSIMETRY FOR TOMOTHERAPY®

FASTEST, MOST ACCURATE, MOST RELIABLE

Blue Phantom **Helix**

Blue Phantom Helix: DESIGNED BY THE LEADER IN RELATIVE DOSIMETRY, entirely based on the gold standard Blue Phantom² and **dedicated for TomoTherapy®**. Designed and optimized for all 3D scanning needs enabling you to be fastest, most accurate and most reliable in your commissioning and QA work!

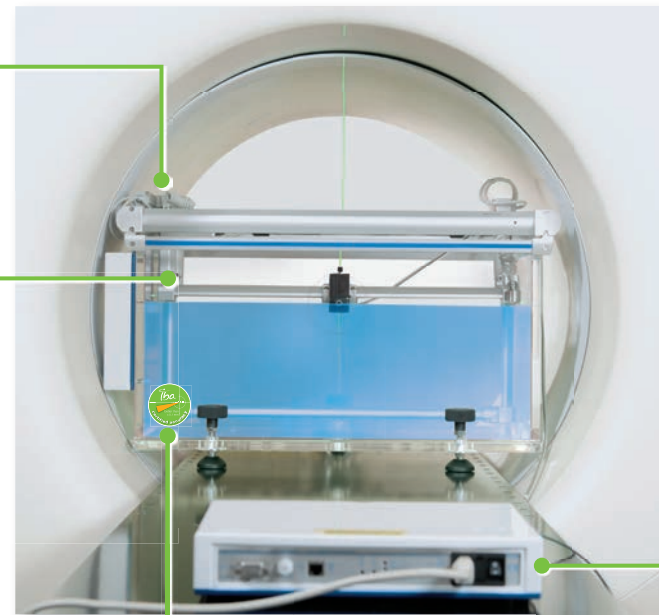
HIGH POSITIONING ACCURACY AND RELIABILITY

- Absolute measurements
- Contact-less sensors in water phantoms
- High detector positioning accuracy without mechanical wear!



LONG TERM MECHANICAL STABILITY

- Robust twin sided mechanics for precise 3D motion
- Stability through rigid frame surrounding the tank

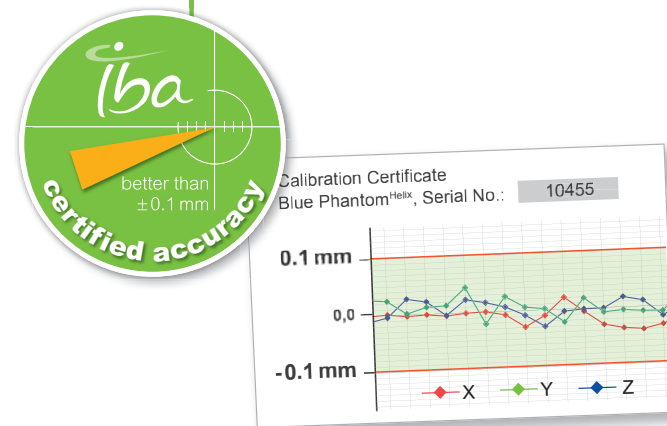


FASTER SETUP

- Quick and convenient leveling of the tank
- Accurate 3 point setup on the TomoTherapy® couch

FULL 3D FOR FASTER SCANNING

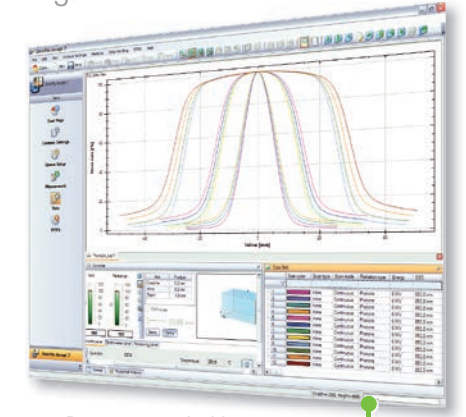
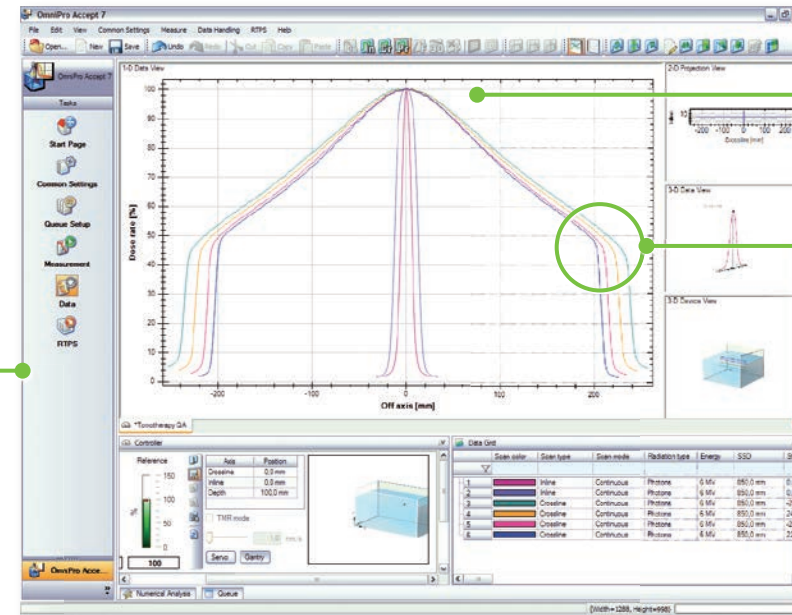
- Save setup time and scanning time
- Measure the entire beam data without tank repositioning



CERTIFIED ACCURACY

- Calibrated and **certified** to guarantee high accuracy and reproducibility of better than ± 0.1mm!
- **Uncompromised** commissioning and QA accuracy
- Gain full **trust** in your beam profile data

Fully **WORKFLOW ORIENTED**, menu guided **myQA Accept** software: designed to increase your efficiency and to reduce the commissioning and QA time of your TomoTherapy® machine.



EFFICIENT MEASUREMENTS & ANALYSIS

- Speedy **workflow optimized** beam data acquisition and analysis
- 5 times faster measurements with **continuous scanning mode**

SAVINGS & EFFICIENCY THROUGH SHARED MODULES

- Operate one **consistent** familiar software myQA Accept for all your relative dosimetry from TomoTherapy®, CyberKnife® to Linacs
- Use the same Common Control Unit (CCU) between your Blue Phantom² and Blue Phantom^{Helix}
- Benefit from reliable high quality design of Blue Phantom leading technology



ADAPTIVE SCAN OPTIMIZATION

- ASO **significantly speeds up** continuous as well as step-by-step scanning without compromising high resolution scanning!
- Automatic scanning speed adaptation enables optimal accuracy for the different profile segments as well as faster scanning where fewer data points are needed



“ We decided for the new Blue Phantom^{Helix} when we bought our TomoTherapy Hi-Art system in 2010 as it came out top in our evaluations. It was used extensively during commissioning of the TomoTherapy® machine and has been used for QA since then. We really appreciate the easy and very fast setup of the tank on the TomoTherapy machine. After setup, the 3D scanning capability of the Blue Phantom^{Helix} enables us to scan lateral as well as longitudinal profiles without changing the setup, which is much more efficient than our other tank. Overall we are very pleased with the quality of the system. Because of these advantages we now use the Blue Phantom^{Helix} for all our commissioning and QA work on our HiArt system that requires water tank data. ”

DR. KEITH LANGMACK D.PHIL., B.SC., C.SCI., MIPEM.
HEAD OF CLINICAL RADIOTHERAPY PHYSICS,
NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST

TECHNICAL SPECIFICATIONS

Blue Phantom^{Helix} for TomoTherapy[®] Radiation Treatment Systems

Repositioning Accuracy:	± 0.1mm in 3 axes, calibrated and certified
Exterior water tank dimensions (LxWxH):	680 mm x 407 mm x 350 mm
Scanning volume (LxWxH):	520 mm x 140 mm x 200 mm
Scanning speed:	positioning speed 50 mm/s, scanning speed 25 mm/s
Detector positioning:	contact less sensor technology
Position accuracy:	± 0.1 mm
Approximate volume:	80 l
Wall thickness / material:	15 mm / acrylic
Weight:	27 kg
Measurement modes:	step-by-step and continuous
Leveling:	3 points micro leveling system

Technical data is subject to change without prior notice.
 Depicted product images and specifications may differ from the actual scope of delivery.

COMMISSIONING AND QA FOR ACCURAY TREATMENT MACHINES

IBA's Blue Phantom product range is perfectly tailored for commissioning and QA of Accuray's CyberKnife[®] as well as TomoTherapy[®]:

- Utilize the same software and share hardware components like the Common Control Unit (CCU)*
- Benefit from consistent data quality



BLUE PHANTOM² FOR CYBERKNIFE[®]

- Pre-defined queues for fixed and iris collimators
- Data conversion & transfer module to Multiplan
- Use all benefits of myQA Accept / Blue Phantom²

TomoTherapy[®] and CyberKnife[®] / Multiplan[®] are registered trademarks of Accuray Incorporated.
 * Detailed technical specifications and computer requirements see Blue Phantom² brochure.

**MADE IN GERMANY.
 SUPPORTED GLOBALLY.**

dosimetry-info@iba-group.com

Europe, Middle East, Africa

IBA Dosimetry GmbH
 Bahnhofstr. 5
 90592 Schwarzenbruck, Germany
 Tel.: +49 9128 607 0
 Fax: +49 9128 607 10

North America, Latin America

IBA Dosimetry America
 3150 Stage Post Drive, Suite 110
 Bartlett, TN 38133, USA
 Tel.: +1 901 386 2242
 Fax: +1 901 382 9453

Asia Pacific

IBA Dosimetry Asia Pacific
 No.6, Xing Guang Er Jie Beijing
 OPTO-mechatronics
 Industrial Park (OIP),
 Tongzhou District
 Beijing 101111, China
 Tel.: +86 10 8080 9288
 Fax: +86 10 8080 9299

**DISCOVER MORE
 ONLINE**



www.iba-dosimetry.com