



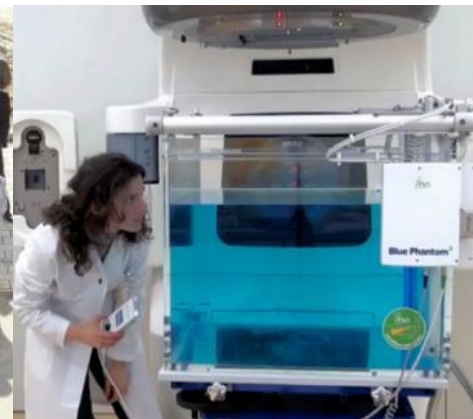
IBA Dosimetry – Company Presentation

Patient Safety & Quality Control



IBA Mission

Protect, enhance and save lives



Protect,
enhance
and save
lives

iba



The History of IBA Dosimetry

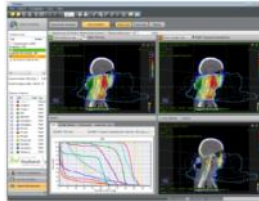
A story of innovation leadership in Dosimetry



1st Computer Controlled Water Phantom



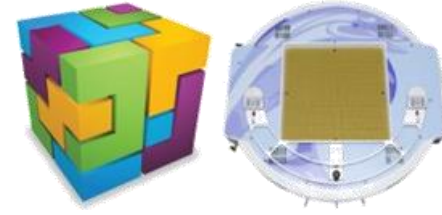
Wellhöfer becomes part IBA group



1st patient anatomy based 3D patient QA - COMPASS



5th gen. water phantom Blue Phantom²



1st global QA platform myQA
1st online Patient QA Dolphin

1973

1988

1998

2006

2007

2008

2012

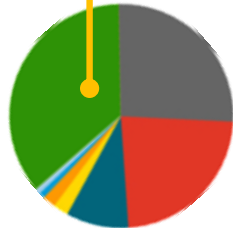
2014



Wellhöfer founded by R. & M. Wellhöfer



Office opened for Americans



IBA Dosimetry becomes global market leader



Office opened for Asia-Pacific



IBA opens third office building in Germany



1st dosimetry training center opened by IBA



IBA Dosimetry Statistics

3 Time Zones – Proximity to global customers



>10.000 Customers

225 Employees

40 Years of Innovation

26 Nationalities

5 Locations

3 Product Segments

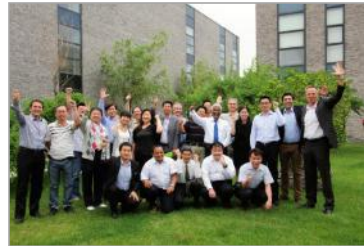
1 Mission!



Bartlett, TN, USA



Schwarzenbruck, GER



Beijing, CN

Serving Customers Globally



- Local competence: Professionals teams in Asia, Europe, America
- Accessibility with 24/7 hotline and Service Portal*
- Service Quality with SSDL DoseLAB and Calibration Services

CAREprogram

More value for IBA users and customers



- Continuous partnership and support
- Trainings, services and latest dosimetry innovations
- Boost QA workflow efficiency and outcome

Product Portfolio - 3 Segments

Solutions that truly increase Treatment Quality, Safety and Efficiency



Radiation Therapy QA



Diagnostic Imaging QA



Fiducial Markers



Full Solution Provider Global Dosimetry Platform



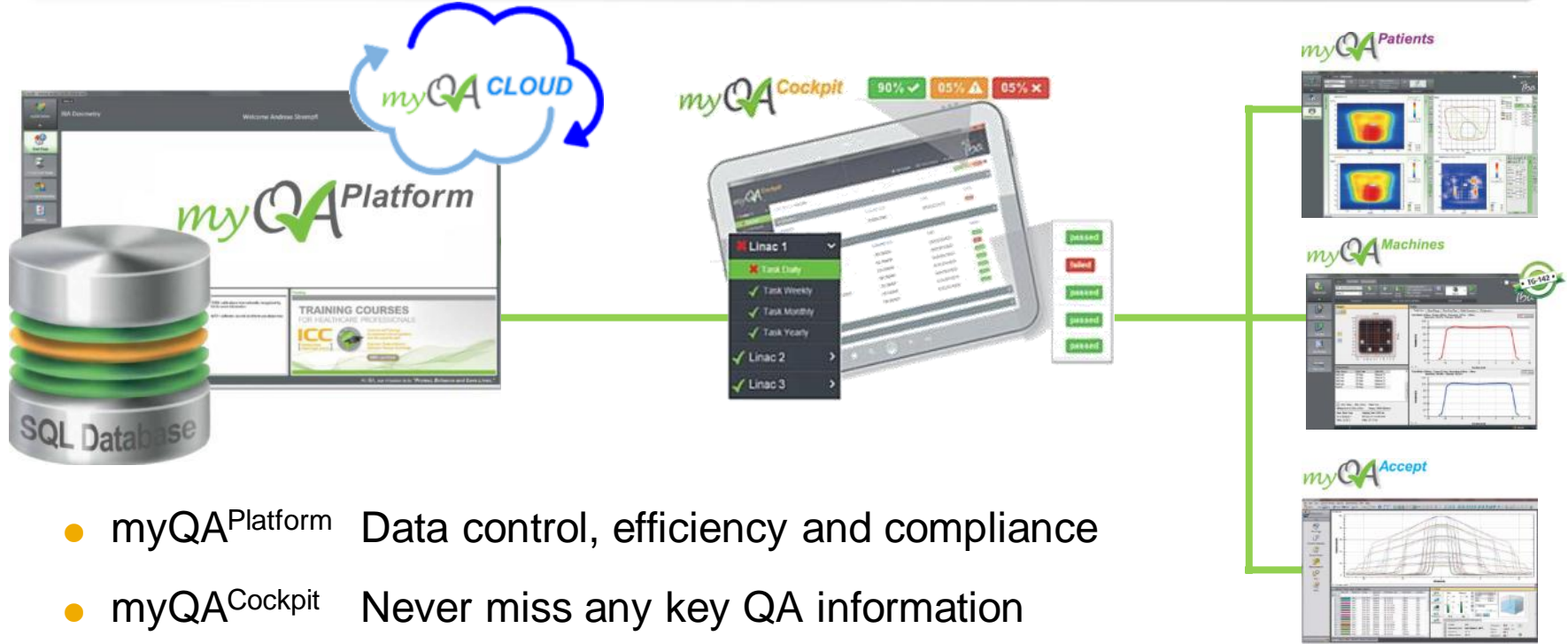
All-in-One.



All Connected.



All Secure.

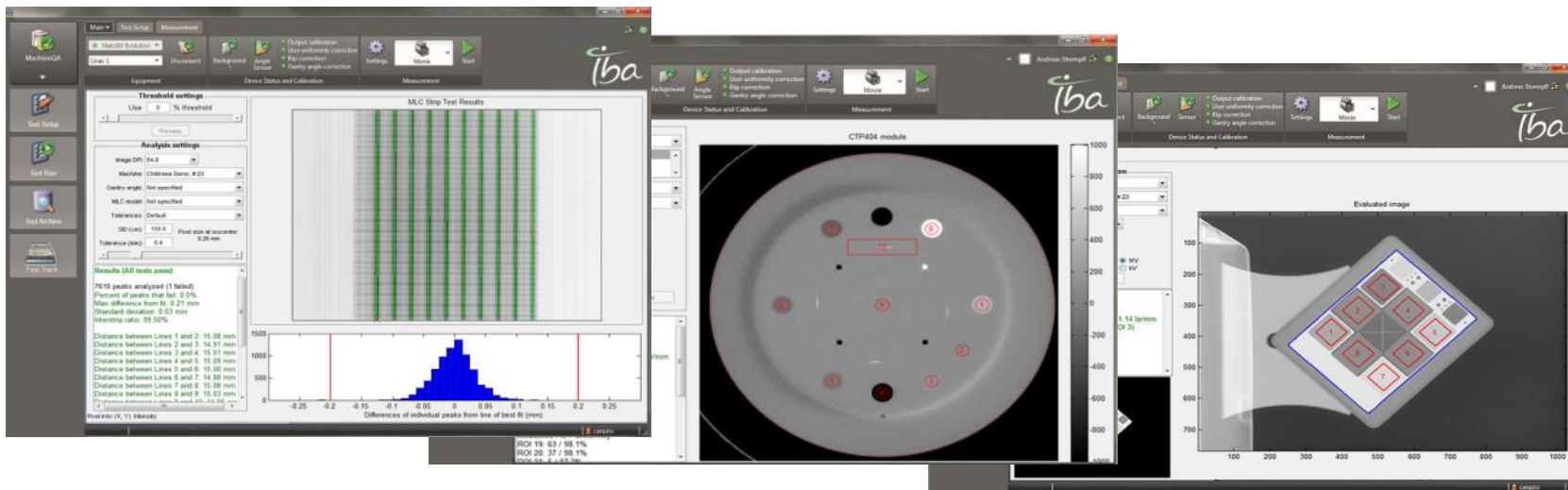


- myQA^{Platform} Data control, efficiency and compliance
- myQA^{Cockpit} Never miss any key QA information
- myQA^{Cloud} Benchmark data for full trust in your results



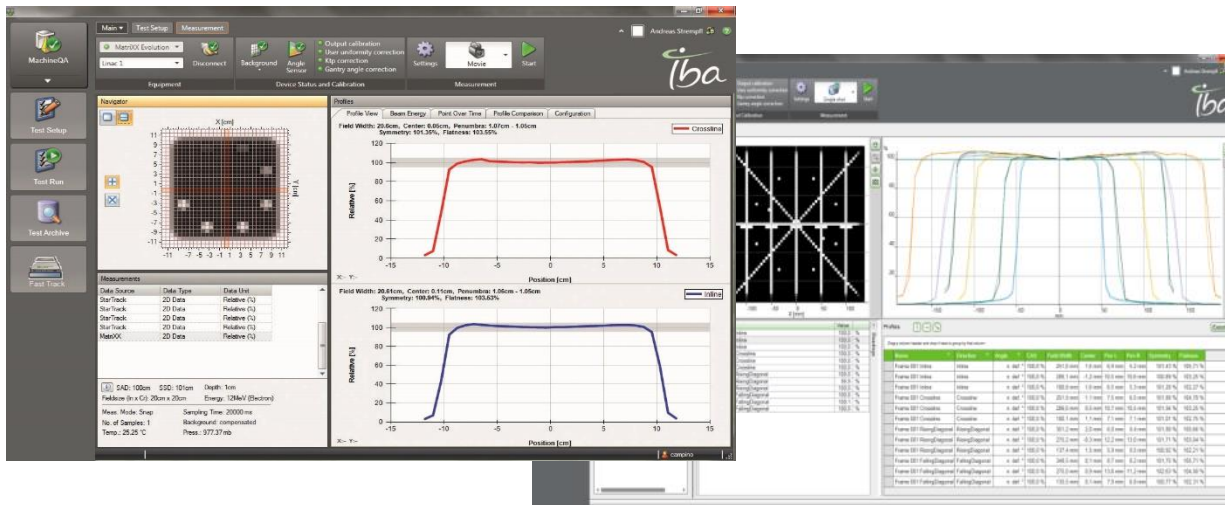
Machine / Room QA

Morning Checks

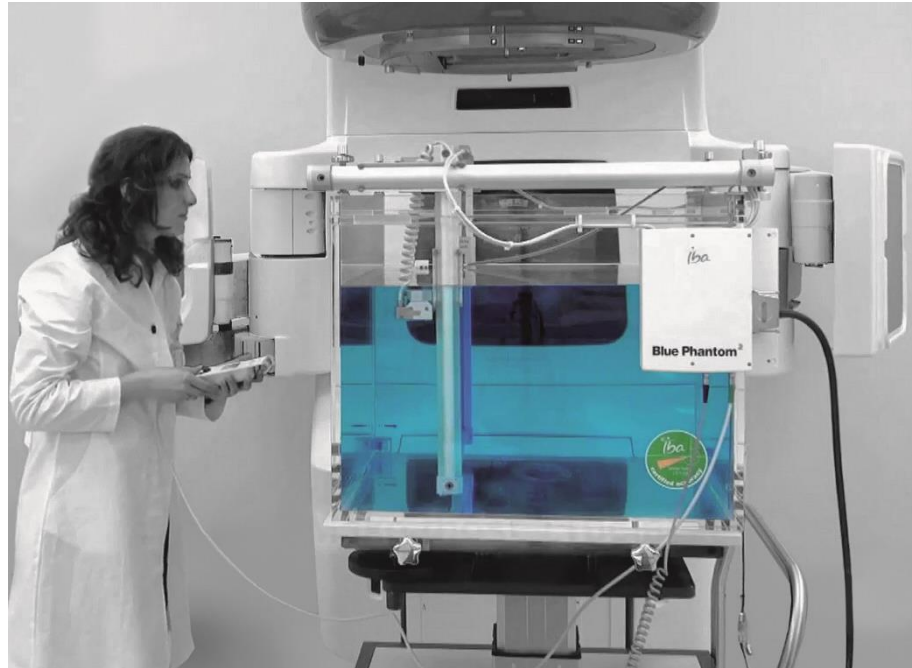


- Protocol based Machine QA
- Configure any site specific test
- Multiple Plugins: MLC, Imaging, Dosimetry





- All key beam parameters in one shot
- Connect your MatrXX or StarTrack* detector
- FastTrack: Instant measurements and analysis



Relative / Absolute Dosimetry Commissioning and Annual QA

The Wellhöfer legacy continues

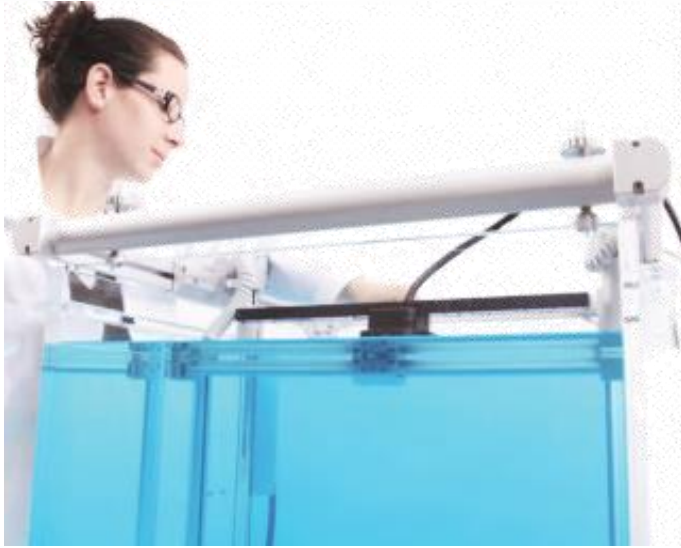
Fastest, most Accurate, most Reliable



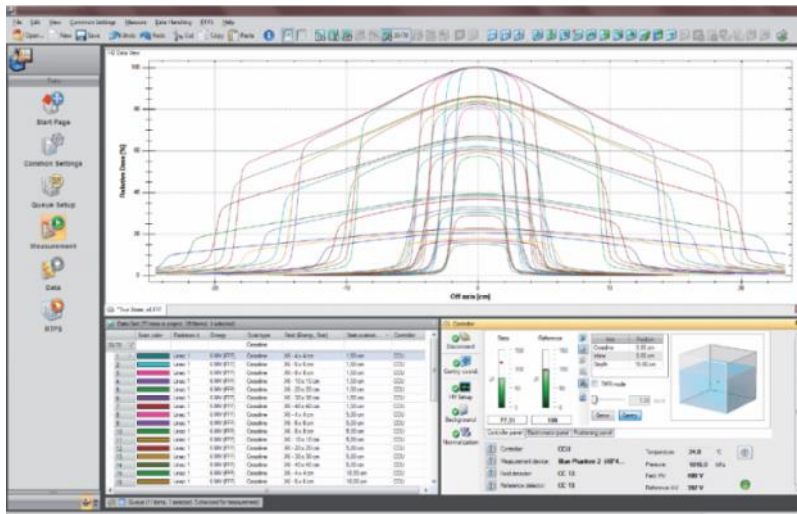
- > 4,000 IBA water phantom users worldwide
- > 40 years of experience and innovations
- Competence based commissioning service

Blue Phantom²

Fastest, most Accurate, most Reliable



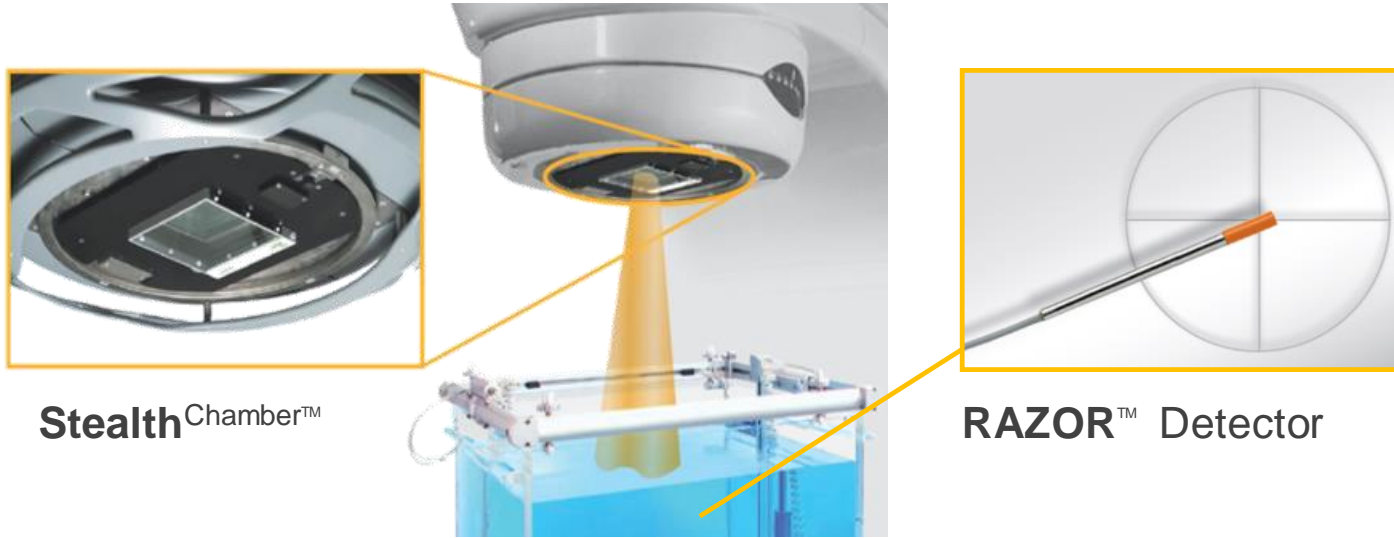
- Unique accuracy & scanning speed
- Absolute 3D position measurement of chamber, certified
- Adaptive scan optimization



- Macros and advanced tools for beam scanning efficiency
- Utilize scan data as reference in myQA
- Benchmark your data in the cloud

Small Field Dosimetry

SRS / SBRT commission Accuracy & Efficiency



Stealth Chamber™

RAZOR™ Detector

- “Beam invisible” reference signal chamber
- Unique Efficiency, uncompromised Accuracy
- High performance diode detector
- Small field measurements for photon & electron beams

Electrometers

High-Performance Reference Class Electrometers

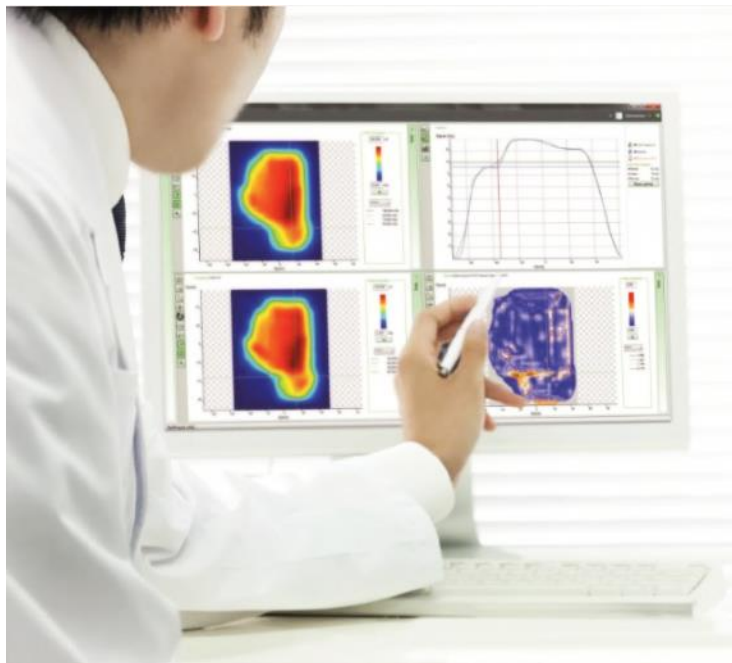


DOSE2 - Dual Channel Electrometer



DOSE1 - Single Channel Electrometer

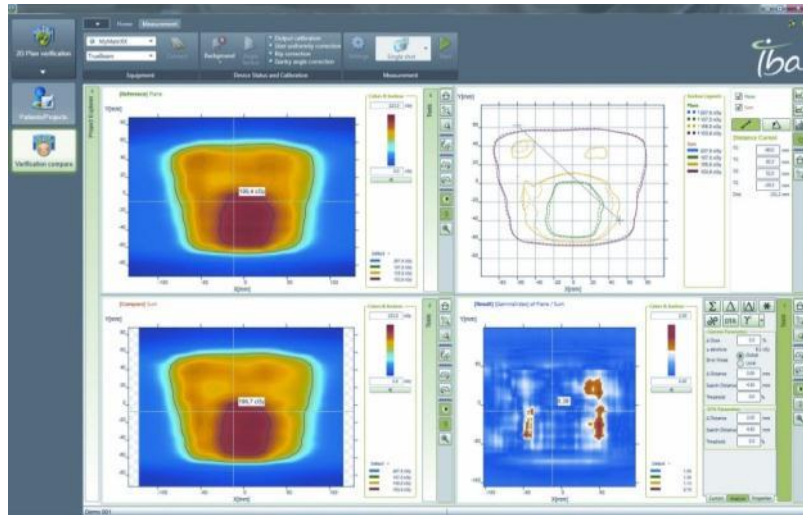
- High-Performance
- Accuracy and Stability
- Workflow Efficiency



Plan Verification



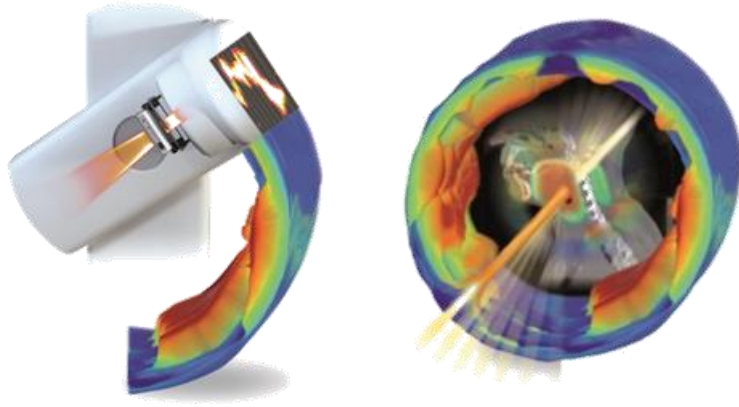
Pre-Treatment Plan Verification for IMRT and Rotational



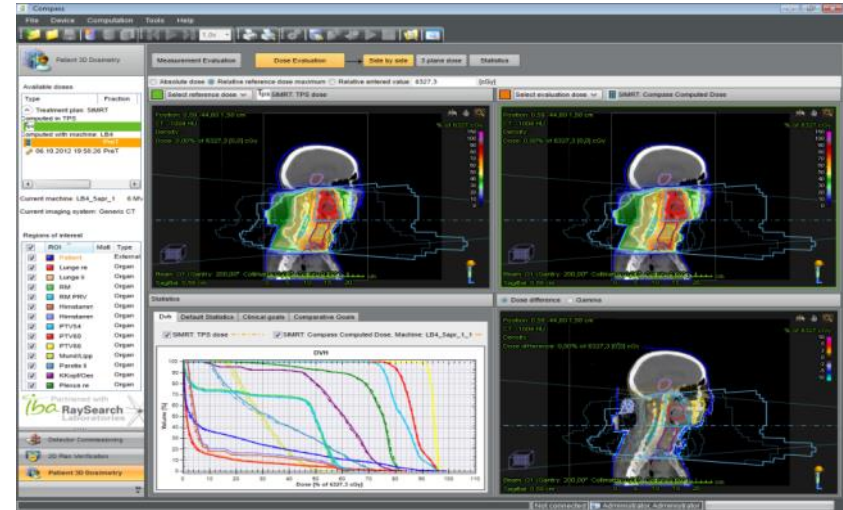
- Intuitive and efficient workflow
- 4 optimized steps
- Based on >1600 OmniPro-*l'mRT* users

COMPASS Pro - Patient Dose Analysis

3D Pre-Treatment Plan Verification for IMRT / Rotational



- 360° measurements for rotational
- MatriXX detector at gantry



- Patient anatomy & DVH
- Two-in-One Solution:
 - Independent 2nd TPS calculation
 - 4D measurements

MatriXX Evolution / MatriXX FFF

The Universal Detector Array



- Proven detector array with > 1500 users
- Universal: for Plan Verification and for MQA
- High spatial resolution: 1020 ionization chambers

Dolphin – Online Treatment Monitoring

Online Care, Online Control, Online Confidence



OFFLINE QA VS. ONLINE CONTROL



ONLINE
Care™



ONLINE
Control™



ONLINE
Confidence™

Dolphin – Online Treatment Monitoring

Online CARE



- Friendly design
- Increased patient comfort and stability
- More comfort = more hope



Other Dosimetry and QA Solutions

Medical Imaging QA

Full QA Solution Provider



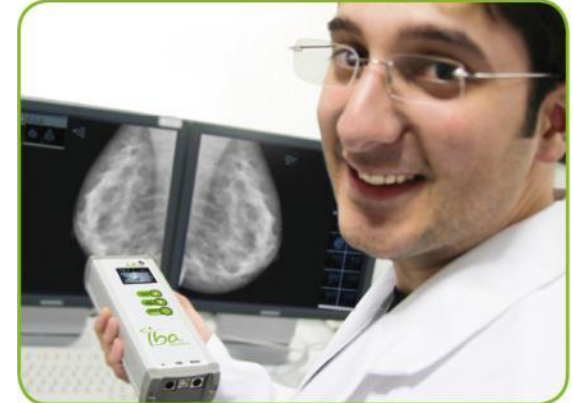
Beam QA

- Minimized patient dose exposure



Image QA

- Better image quality, better diagnosis

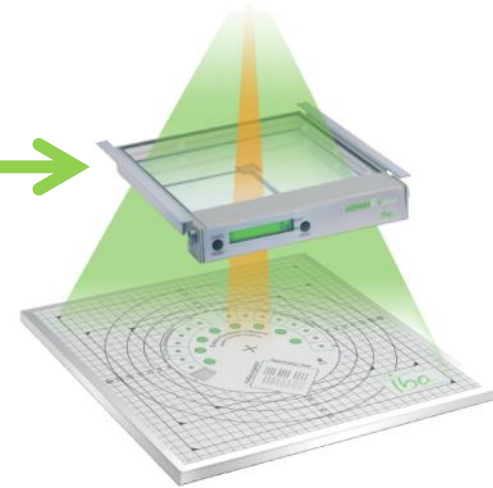


Display QA

- Improved image viewing

Medical Imaging QA - IBA inside

Supplier for the Medical Imaging Equipment Industry



- Trusted Partner for imaging vendors

Imaging QA for Radiation Therapy

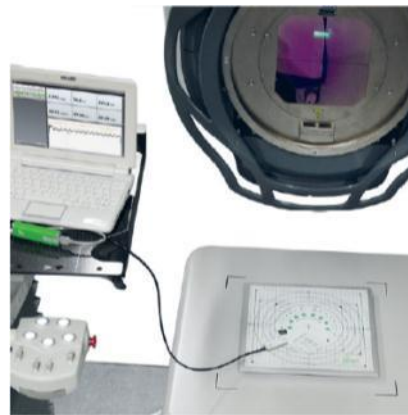
kV Imaging QA and Dosimetry for CBCT, OBI, and CT-Sim



CTDI / Dose Measurements



Varian OBI kV



Elekta kV

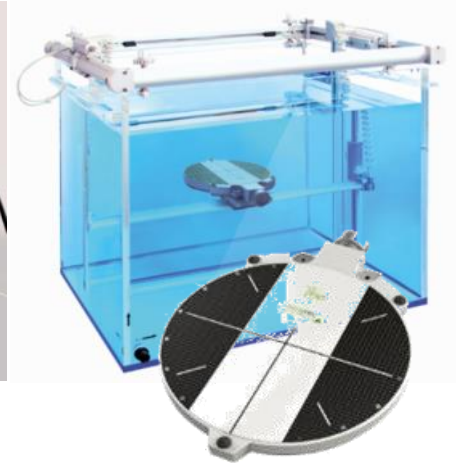
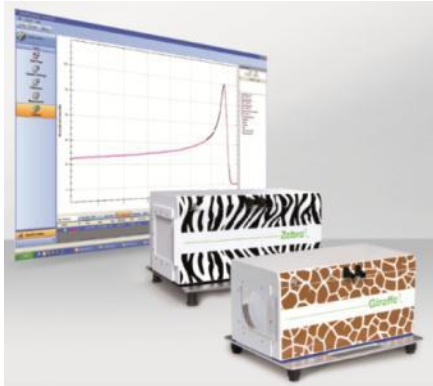


CyberKnife kV

- Imaging beam analysis & dosimetry
- Image QA of flat-panel imager
- Dosimetry for CT Simulator / CBCT

Proton Therapy Dosimetry

Complete Dedicated QA Solution for Proton Therapy and PBS



- Minimize QA times – maximize patient throughput
- Uncompromised accuracy for safe PT and PBS treatments
- Integration to your workflow needs

Imaging Markers – VISICOIL™

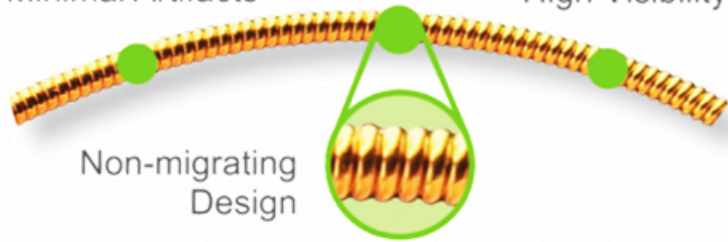
Flexible soft tissue gold marker for IGRT, SBRT and PT

VISICOIL™
LINEAR FIDUCIAL MARKER

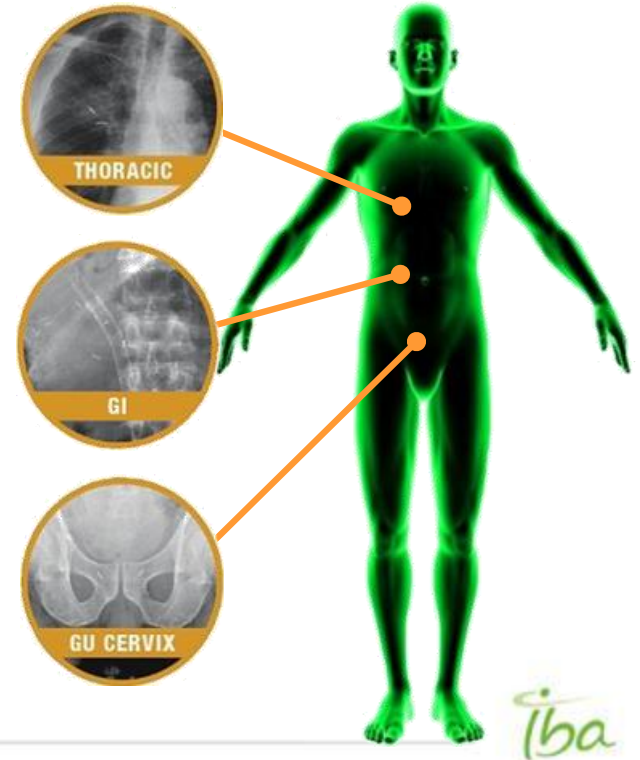
See it! Trust it! Treat it!

Minimal Artifacts

High Visibility



- Fast and easy implantation in soft tissue
- Safety and accuracy in tumor targeting
- Proven: >75.000 Visicoil patients treated





*what do
you think?*

Thank you

Iba