

Perturbation Free “beam invisible“ Reference Signal Chamber for Relative Dosimetry

Stealth^{Chamber}™

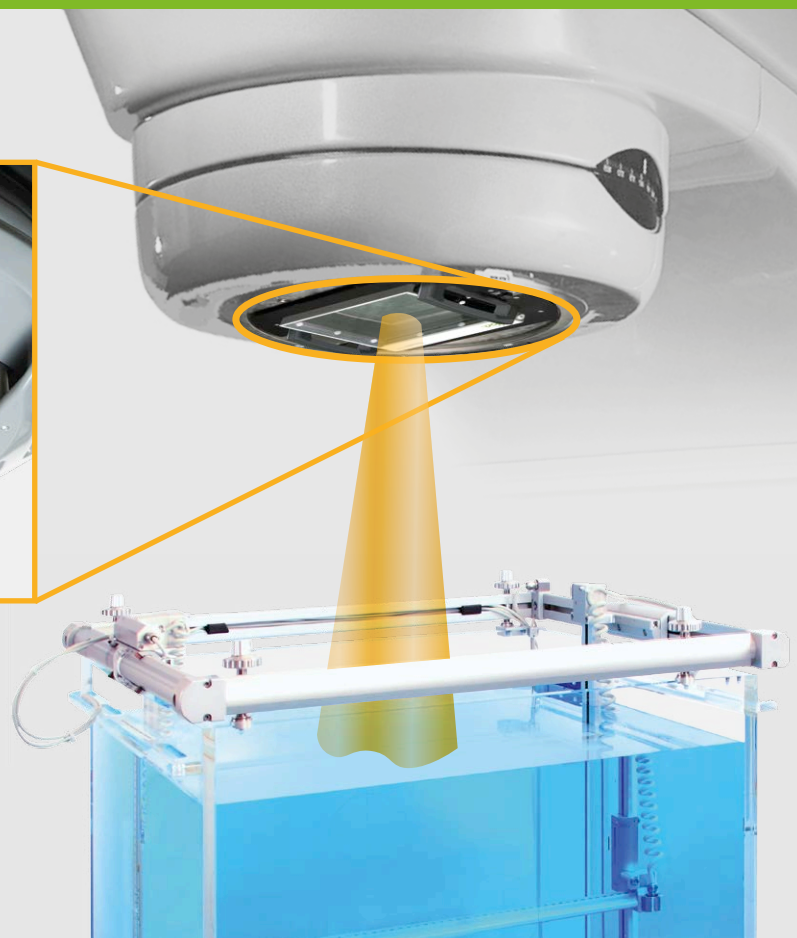
NEW

Now for larger field sizes up to 40 x 40 cm



Unique Transparent Chamber Design

The patent pending application allows “beam invisible“ reference signal measurements.



Unique innovative design

Unique Efficiency

- Avoid frequent walks into the linac room and **save 2 hours each commissioning day**¹
- Mounted Stealth^{Chamber} design does not require frequent repositioning as previously required for every field size change using standard reference chambers

Uncompromised Accuracy

- Leverage continuous scanning efficiency without compromising measurement accuracy
- Excellent reproducible reference signal quality even for SRS / SBRT fields

Universal Plug & Play

- Ready to use without additional system upgrades or modifications

¹ Typical time saving with Stealth^{Chamber} based commissioning of a most used TPS: Calculation based on a typical amount of 55 times repositioning of a conventional reference chamber for a typical measurement of PDDs, HW-Profiles, in-plane and cross-plane profiles for 2 photon energies. Average time for entering LINAC vault for chamber repositioning was estimated to be 2 min. Values are examples and can vary depending on your commissioning needs.



Stealth^{Chamber}TM

Unique Design – Unique Benefits

Your Advantage:

- **2 hours of time saved;** no need to change chambers. Keep your Stealth^{Chamber} in place for all SRS/SBRT field sizes
- **Workflow efficiency:** Dramatically reduced number of excursions into the linac room for chamber re-positioning
- **Extra stable reference signal:** Reduced instantaneous fluctuations or drifts in the incident beam output especially in highly fluctuation-sensitive small fields
- **Flexibility:** Mounting plates for Varian & Elekta



Easy Attachment: The IBA Stealth^{Chamber} is easily attached to the linac accessory tray and remains mounted throughout your measurements.

Chamber and field size displayed in real size:



1 x 1 cm

Stealth Chamber for stereotactic cones (e.g. BrainLAB Novalis)



Stealth^{Chamber} in combination with Razor Detector makes Your Perfect Package for Small Field Dosimetry!

Conventional reference chamber: Overcome the need to frequently reposition conventional reference chambers especially for small fields.

Unique Stealth^{Chamber}: Always have your reference signal measured regardless of field size! The transparent Stealth^{Chamber} design enables perturbation-free high-quality measurements in the most efficient way.

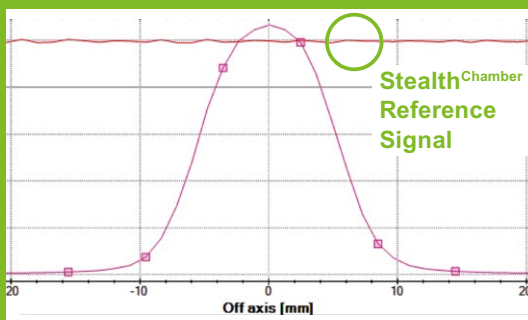
“ The new IBA Stealth Reference Chamber is saving us enormous amounts of time. The scans we performed with the Stealth^{Chamber} were outstanding. It was very obvious that the scans were much smoother with less disturbance, allowing us to speed up scanning motion. Also, due to the hidden chamber we don't have to go back in the vault to reposition, thus saving additional time. ”

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Profile of 1x1 cm field size measured with Stealth^{Chamber} in continuous measurement mode.

Stealth^{Chamber} White Paper
Stereotactic Beam Characterization
using the IBA Stealth Reference Detector
Download from iba-dosimetry.com

Protect,
enhance
and save
lives

