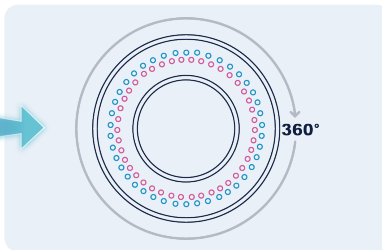
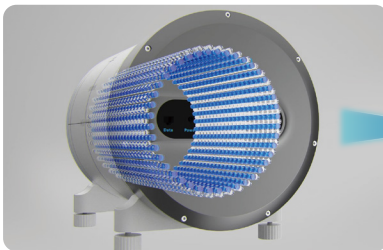
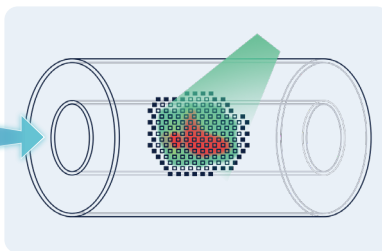
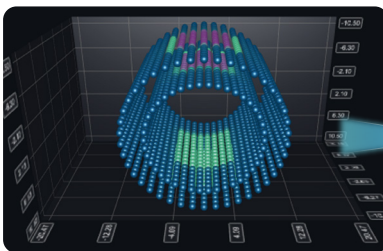




1,764 ion chambers are arranged in a dual-layer ring configuration, accurately presenting spatial dose distribution information.

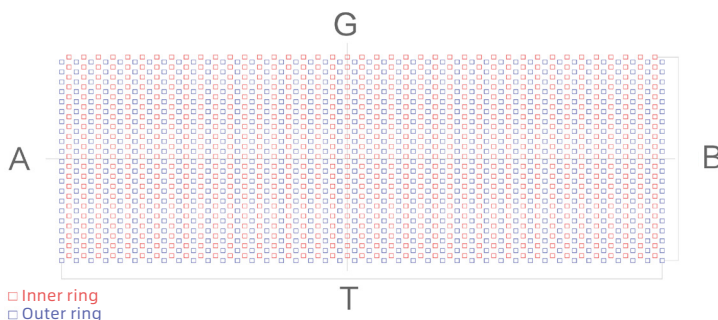


Optimize space usage with a double-layer ring staggered layout, facilitating three-dimensional dose measurement of both high and low dose areas (inner and outer rings).



Achieve 360° full coverage in 3D space, effectively reducing deviations caused by energy and angle responses.

Ion chamber arrangement plan view: layer arrangement, staggered layout



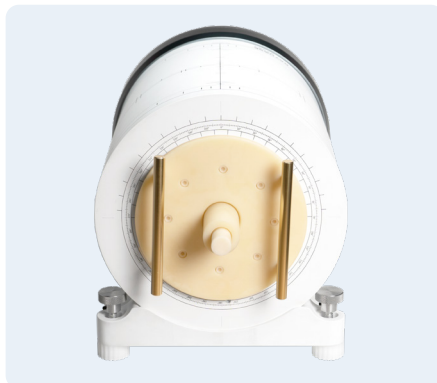
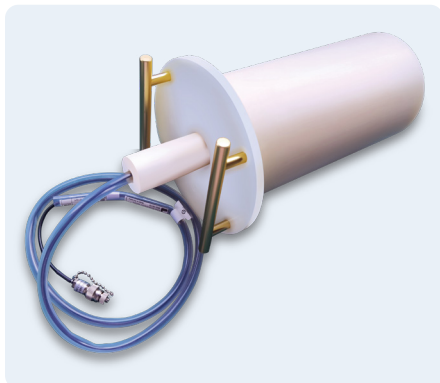
Ion chamber spacing (center to center)

- AB Direction $\leq 7.85\text{mm}$
- GT Direction $\leq 5.4\text{mm}$

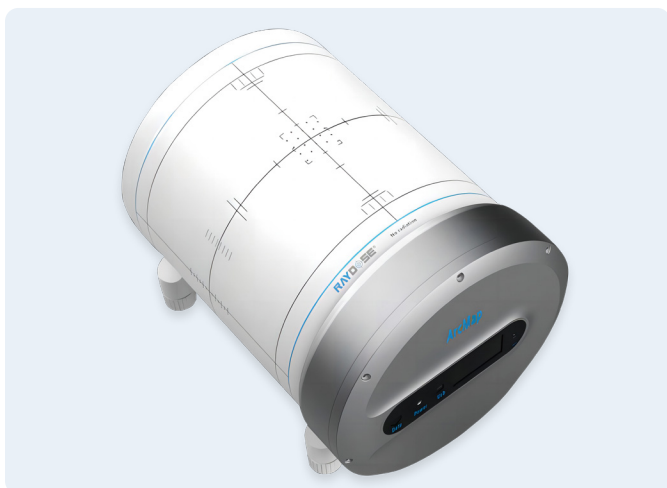
Ion chamber margins

- AB Direction $\leq 2.85\text{mm}$
- GT Direction $\leq 0.4\text{mm}$

- ✔ Supports LINAC models, including Halcyon, Edge, VitalBeam, Infinity, Synergy, and Tomo.
- ✔ Compatible with TPS such as Eclipse, Monaco, Pinnacle, and Raystation.
- ✔ Supports RT techniques, including IMRT and VMAT.



Equipped with solid water insert and ion chamber insert, supporting 3D dose verification and point dose measurement.



The surface is printed with guide lines to assist in positioning and measurement. The LCD screen can display information such as angle, temperature, and air pressure in real-time.

Technical Parameters

Detector Type Ion chamber	Detector Quantity 1,764	Detector Volume 0.094cc	Nominal Sensitivity 3.6nc/Gy±0.2nc/Gy
Weight 18.5kg	Repeatability ≤±0.5%	Non-linearity ≤±0.5%	Dimensions(L×W×H) 373.4mm×309mm×280mm
Field Size 21cm×21cm	Insert Cavity Radius 6.7cm	Inner Ring Radius 9.5cm	Outer Ring Radius 10.5cm
Material PMMA	Detector Volume(R×H) 2.5mm×4.8mm		