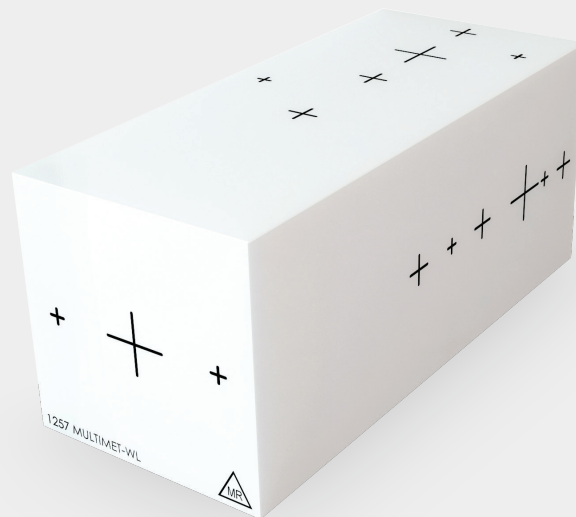


# MultiMet-WL Cube

## Assure Accuracy for Off-Axis SRS Targets

The MultiMet-WL Cube quantifies margin of error for off-axis SRS targets out to 7 cm, with precision of 0.1 mm. It is designed to work as a standalone phantom, or in conjunction with the StereoPHAN™ -- widely used for end-to-end testing for SRS.



### Features and Benefits

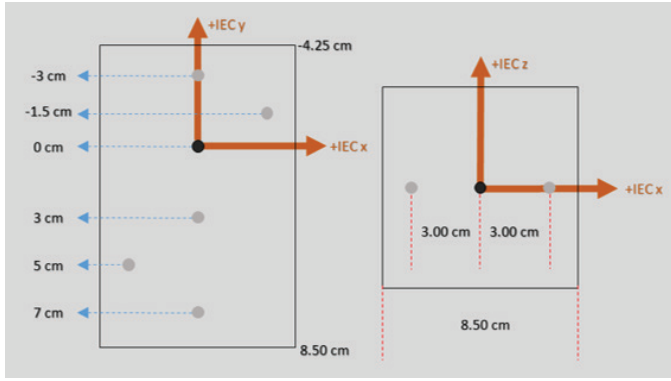
- Precise phantom with 6 spherical targets (5 mm in diameter) set at precise locations
  - Quantifiable accuracy up to 7 cm off isocenter
  - Reduced likelihood of phantom placement errors
- Surface-level cross-hair markings visible in CT imaging, easing phantom orientation and alignment to delivery system
- Compatibility with Cone, MLC or Jaw deliveries
- User-friendly software workflow
  - Extended Winston-Lutz (WL) analysis to calculate 3D locations of off-axis targets in patient frame of reference, helping identify and reduce positioning errors
  - Ability to identify source of error – Gantry, Couch or Collimator – in 6 degrees of freedom
  - Available as standalone application or for automated analysis within the SunCHECK™ Platform



Use the MultiMet-WL Cube with StereoPHAN, or as a standalone phantom

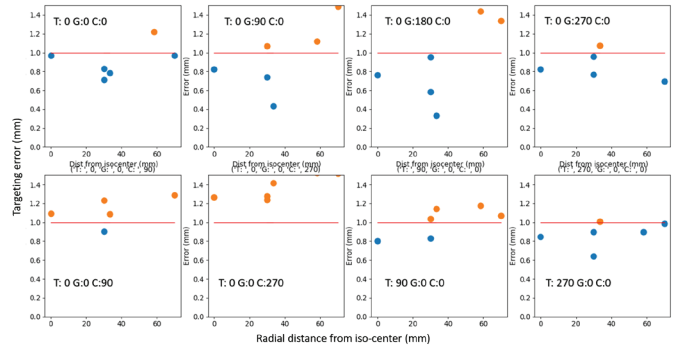


## Target Locations



Location of 6 targets within the MultiMet-WL Cube.

## Analysis Software



Off-axis Winston-Lutz tests analyzed in software to determine targeting errors

## Specifications

Dimensions: (cm<sup>3</sup>) 8.5 x 8.5 x 12.75

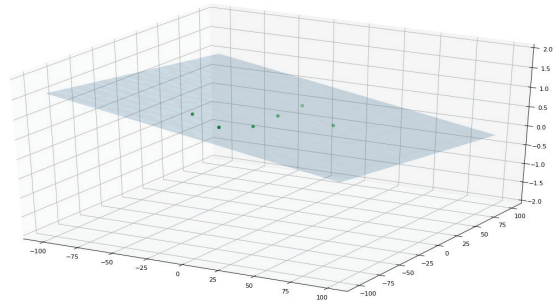
Targets: 6 (5 mm diameter) tungsten targets in specified locations

Target to Cross-hair tolerance: ± 0.1 mm

Target Material: Tungsten Carbide

Quantifiable Off-Axis Accuracy Range: Up to 7 cm

('isocenter offset = ', [0.616 -0.524 0.689], ('Pitch = 0.333', 'roll = 0.186', 'yaw = -0.382', 'degrees'))



Software indicates Isocenter offsets on a dimensional plane



*"This phantom... provides a simple method to verify targeting accuracy for multiple lesions with single isocenter. Its integration with the SteroPHAN™ makes it an effective supplemental tool for end-to-end testing for SRS."*

**Development of a Phantom to Verify Targeting Accuracy of Single-Isocenter Multiple Lesion Stereotactic Radiosurgery, AAPM 2019**