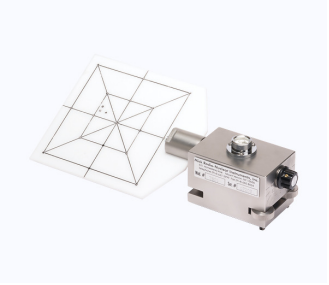
Eckert & Ziegler QA Phantoms

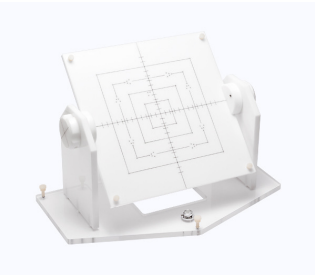
Quality Assurance Tools

Isocentric Beam Checker I



The Isocentric Beam Checker IBC I, is used to precisely determine the isocentre of any radiation therapy machine. It checks the alignment of the side / laser lights used for patient set-ups in radiation therapy, conventional tomography, and CT scanning.

Isocentric Beam Checker II



Tungsten markers of 2 mm diameter are embedded in the centre and corners of the fields.

The multifunctional Isocentric Beam Checker, IBC II, consists of a large opaque acrylic screen backed by a secondary plate, both supported by two lateral uprights. The screen is inscribed with lines precisely defining corners, edges, and centre of the screen's 2mm x 2mm, 5cm x 5cm, 10cm x 10cm, 15cm x 15cm, and 20cm x 20cm fields.

Isocentric Beam Checker III

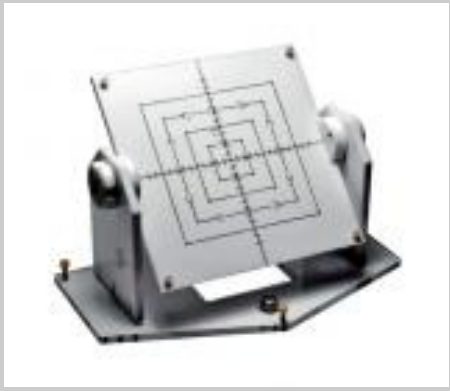
The Isocentric Beam Checker, IBC III, is designed to facilitate routine quality assurance tasks required daily, weekly or monthly on linear accelerators or Teletherapy units. Numerous mechanical parameters can be tested in a very short time due to the simplicity of the set-up.

See our website for other QA Phantoms

Phoenix Dosimetry Ltd

www.phoenix-dosimetry.co.uk

Isocentric Beam Checker II



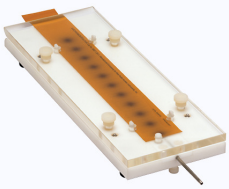
Isocentric Beam Checker IV

The Isocentric Beam Checker, IBC IV, is a QA phantom, manufactured to ISO specifications, for performing Quality assurance checks as recommended by TG-142. The IBC IV can perform monthly checks of MV imaging system and treatment coordinate coincidence, MV scaling, kV Imaging system and treatment coordinate coincidence, kV scaling, and kV positioning / repositioning (shifts).

PermaDoc Phantom

The PermaDoc Phantom provides the necessary permanent documentation required by the NRC quality assurance tests associated with HDR. The PermaDoc Phantom, with its centimetre scale automatically transferred to the film by fluorescent radiation, readily identifies up to 20 source positions and their stepping accuracy.

PermaDoc GC Phantom



The Gafchromic® PermaDoc GC Phantom is designed to check source positioning and stepping accuracy of HDR remote afterloading systems and provides a permanent record. It has a centimetre scale, which is projected onto the Gafchromic® RTQA film by fluorescent radiation, and readily locates, up to 20 source positions.