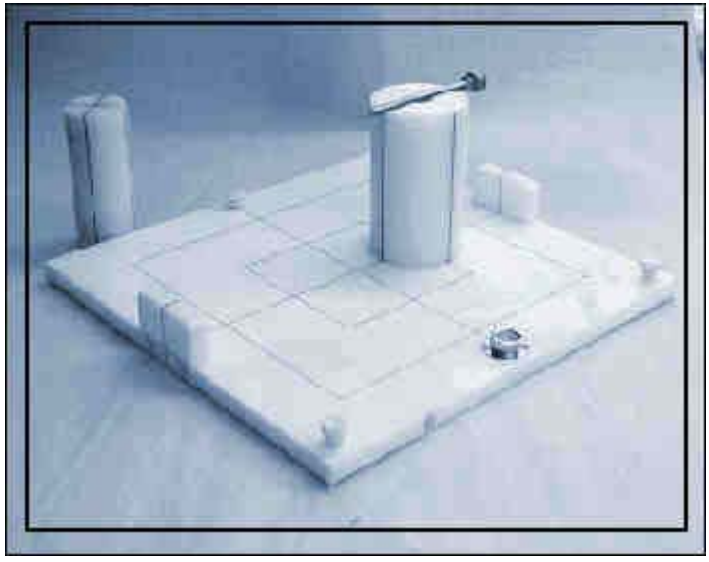
Isocentric Beam Checker III - Catalog # 9320



Verifies ODI Accuracy With Stackable Cylinders And Locates Isocenter With Pencil-Point Accuracy!

Features:

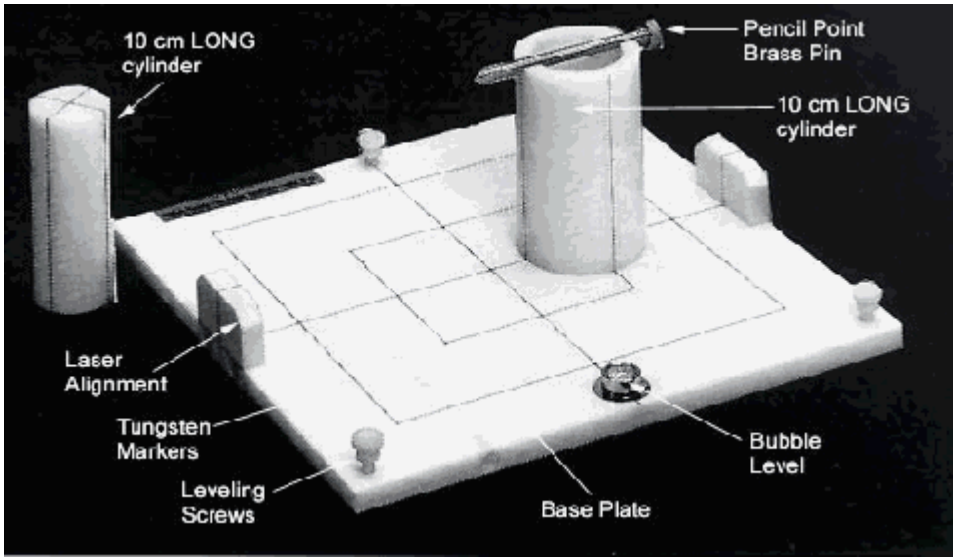
- ODI Accuracy / Light-Field Congruence with built-in Beam Orientation
- Collimator Isocentricity
- Isocenter Location
- Gantry Isocentricity
- Collimator Jaw Alignments
- Laser Light Alignments
- Light-Weight and Easy to Carry

Description:

The ISOCENTRIC BEAM CHECKER 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 set-up.

The ISOCENTRIC BEAM CHECKER III easily and accurately checks the location of the gantry isocenter, distance at isocenter, ODI accuracy and linearity, Isocentricity of collimator, collimator jaw alignment, radiation/light field congruence and laser light alignments.

Technical Specifications:



Dimensions:

Base Plate - Overall Size:

Width:	28 cm
Length:	28 cm
Thickness:	12 mm
Field Sizes:	10 cm x 10 cm / 20 cm x 20 cm
Markers:	1 mm diameter (Tungsten)

Cylinders:

Diameter (large):	6 cm
Diameter (small):	4 cm
Length:	10 cm
Pin Diameter:	6 mm
Overall Weight:	3 lbs (base & cylinders)

Construction

The "Multifunctional" Isocentric Beam Checker III (IBC III) consists of an acrylic base plate with leveling screws and a bubble level attached to it. The base plate is inscribed with 2 field sizes; 10cm x 10cm and 20cm x 20cm. Tungsten markers of 1mm diameter are embedded in the center and corners of the fields. Attached laterally on the base plate are two wings inscribed with lines for laser light alignments. Two stackable cylinders are provided 10cm in length and one, when turned 180°, can cradle the PENCIL POINT brass pin to locate the ISOCENTER.

Instruction For Use:

The brass pin when properly placed in the grooved 10cm cylinder can precisely determine the isocenter. ODI linearity is tested

with two cylinders (10cm each) stacked on top of each other on the base plate. The light/radiation field congruence test is done with a ready-pack film placed under the base plate; SAD=100cm. The centering of the laser lights can be done with the brass pin and the alignment can be done with the side wings.