

Long term reputation in the medical industry.

Assurance we will offer competitive pricing.

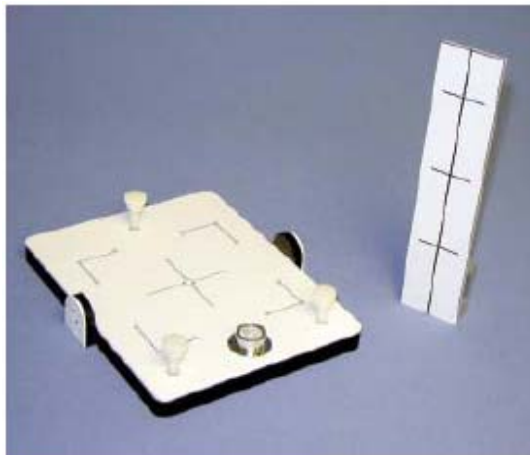
Customer service #1 priority.

One Stop.

LACO Inc.

can do it all!

TEL-ALIGN™ Teletherapy Alignment Gauge*



Permits checks of:

- Optical distance indicator (over a 15 cm range)
- Collimator and central crosshair
- Head rotation and pitch
- Isocenter variation
- Side lights and optical back pointer
- Light field vs. radiation field

Introduction

Accuracy begins with beam alignment. It is impossible to deliver the carefully calculated plan if the beam position is not verified. TEL-ALIGN verifies the coincidence of the light and radiation fields and checks the isocenter variation and the optical back pointer when the gantry is rotated $\pm 90^\circ$.

Applications

TEL-ALIGN consists of a rectangular plastic base with a removable vertical scale. The top surface of the base contains lead markers that form a square (10 x 10 cm) for visualization on film. A crosshair in the center of the square lines up with two additional sets of crosshairs, one on each outer edge of the base. After the machine field size (10 x 10 cm) has been set, the table height should be adjusted until the base surface is at the isocenter distance. The collimator rotation angle is set at 0° . When positioned properly, the edges of the light field should coincide with the inscribed square. The field center should intersect the center crosshair, and the side lights should agree with the corresponding crosshairs at the edges of the base. The vertical scale is placed on the base to check the optical distance indicator, or a film can be placed under the base to check the light field versus the radiation field. By rotating the gantry angle at $\pm 90^\circ$, the isocenter variation and optical back pointer are also checked. If adjustment of machine geometry is needed, it can be done quickly and easily, with the TEL-ALIGN Teletherapy Alignment Gauge (Model 37-001) in place.

Specifications

Dimensions

Base 5.51 (w) x 7.09 (d) x 0.79 in (h)
(14 x 18 x 2 cm)

Vertical scale 7.09 in (h) (18 cm)

Weight 2 lb (0.91 kg)

Available model(s)

37-001 TEL-ALIGN Teletherapy Alignment Gauge