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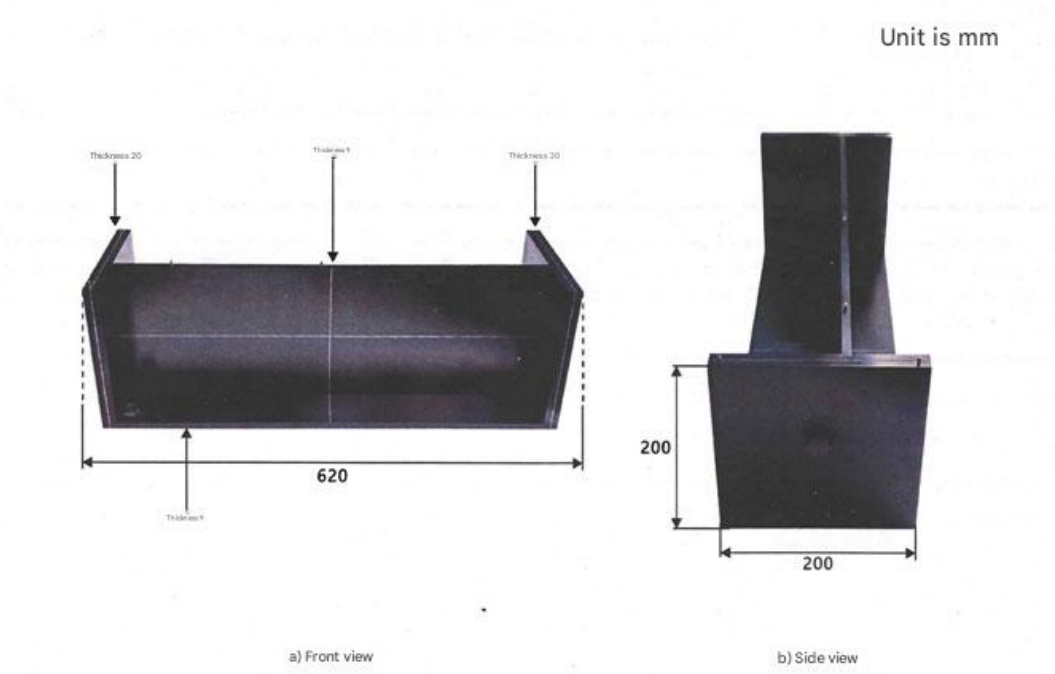
WEK-CTSIM Laser Alignment Phantom

Product Introduction

The Laser Alignment Phantom, also known as precision calibration phantom, provides an intuitive and comprehensive solution for daily QA/QC calibration of laser lights. It is used for calibration and alignment of both fixed and movable alignment products. This phantom is designed for setup and ongoing quality assurance programs. Once the phantom is positioned, it allows testing of external lasers, CT unit lasers, and table movement alignment accuracy. The calibration phantom integrates with the laser system for laser setup and product quality inspection. Features include horizontal, vertical, and multiple recessed grooves for alignment as well as sagittal plane laser alignment. The phantom is a graduated device with dimensions of **620mm (length) × 200mm (width) × 200mm (thickness)**, commonly used to verify the straightness of laser lines.

The phantom can be used for alignment of CT equipment with both movable and fixed laser lines. Its design accommodates bubble levels and equipment leveling adjustments. Installation of the calibration phantom is quick and simple. Once the phantom is installed, not only the accuracy of external lasers can be tested, but also the laser accuracy of the CT equipment and table movement can be determined.

It complies with all TG66 specifications regarding laser alignment, from daily verification of the CT imaging plane using gantry lasers to monthly checks of room lasers, distance, alignment, and orthogonality.



Features

Multiple recessed alignment marks for performing horizontal, vertical, and sagittal laser alignment. Suitable for aligning movable and fixed lasers or alignment products. Includes alignment holes, built-in bubble levels, and adjustable feet for leveling the unit on the table.

WEK-CTSIM Laser Alignment Phantom Specifications

- **Phantom Dimensions:** 620mm × 200mm × 200mm
- **Phantom Weight:** 4 kg
- **Phantom Material:** PVC

The laser calibration phantom can be used with all fixed laser systems to ensure proper beam calibration. Daily inspections can be performed quickly and easily by a single person. The tool features calibration holes compatible with CT or MRI systems, as well as white recessed lines that "light up" when struck by the laser. These lines are easily visible from across the room. The tool also includes a precision level to ensure accurate placement.