

Klarity AXIS™

Laser Systems



Klarity®

Klarity AXIS™ Movable Laser System



AXIS

Features of Klarity AXIS™ Movable Laser System



Medical-grade laser line

Using advanced and stable mechanical components and unique optoelectronic components to generate medical use laser lines.



Ultra-fine laser line

The green ultra-fine and ultra-long laser lines can meet the requirements of high-quality linearity and brightness distribution.



Adjustable focal length

The adjustable focal length ensures that the width of the laser line projected onto the patient's body surface is $\leq 1\text{mm}$.



Meeting all kinds of CT simulation

The effective travel range reaches 700mm, which can meet various CT simulation requirements.



Adopting a self-locking regulating system

When the laser is in place, the self-locking regulating system can avoid unexpected deviation caused by manual locking during calibration.



Great mobile positioning accuracy

The moving system composed of high-precision track and grating scale feedback ensures that the satisfying projection accuracy is $\leq 0.5\text{mm}$ and the repeatable positioning accuracy is $\leq 0.25\text{mm}$ within the travel range of 700mm.



High-precision adapts to diverse environments

The integration design of the laser with the standing column guarantees highest stability and precision, as well as easy installation for any existing room with least interference.

Klarity AXIS™ Laser Control System

- ⊖ The mobile laser is easy to control with the use of a tablet PC which adopts Bluetooth communication;
- ⊖ The intuitive operation interface brings a more convenient laser control experience;
- ⊖ The System supports free motion control as well as coordinates input motion control;
- ⊖ The connection with TPS is supported.



Movable Laser System

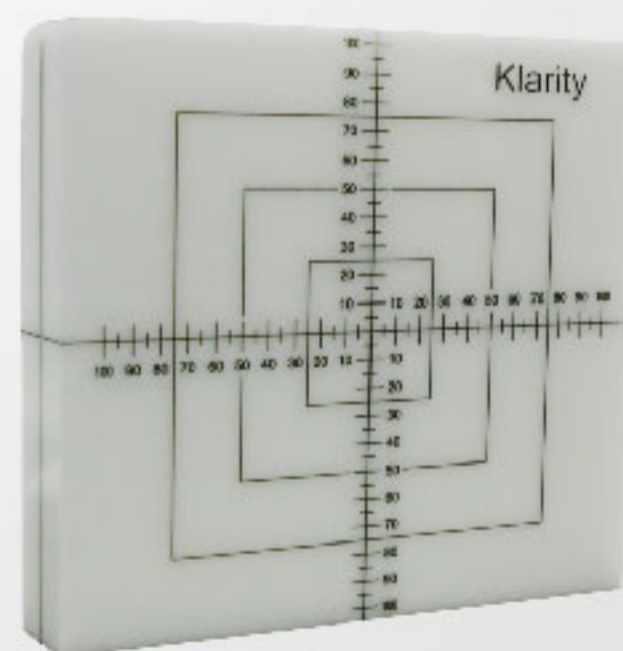
- ⊖ For precision patient marking in RT planning.



The Klarity AXIS™ APP

Klarity AXIS™ Control System

- ⊖ The Control System comes with a tablet PC and a dedicated Application, using Bluetooth for easy and fast communication .



Phantom

- ⊖ Easy-to-use laser quality control.

Configurations of Klarity AXIS™ Movable Laser System



K-ARL-M1

Sagittal plane: A movable line projected by the top laser.

Transversal and coronal planes: A fixed line projected by the top laser and each a set of fixed cross laser lines from both sides.



K-ARL-M3

Sagittal plane: A movable line projected by the top laser.

Transverse plane: A fixed line projected by the top laser, and each a fixed line from both standing column lasers.

Coronal line: Each a movable line from both standing column lasers.



K-ARL-M3U

Sagittal plane: A movable line projected by the top laser.

Transverse plane: A fixed line projected by the top laser, and each a fixed line from both standing column lasers.

Coronal plane: Each a movable line from both standing column lasers.



K-ARL-M5

Sagittal plane: A movable line projected by the top laser.

Transverse plane: Each a movable line projected by both top lasers.

Coronal plane: Each a movable line from both standing column lasers.

Technical data

Laser color (typical wave length)	Green (520nm)
Line width (up to 4 m distance)	< 1mm
Line length (at 3 m distance)	> 3m
Laser class	2
Positioning accuracy	±0.25mm
Projection precision (Up to 4 m distance)	±0.5mm
Travel range	700mm
Power supply	100-240VAC
Dimensions (H x W x D)	1510x145x140 mm
Weight	22kg
Operating temperature	15-30°

Klarity AXIS™ Fixed Laser System



AXIS

Klarity AXIS™ Fixed Laser System

Fixed laser is an essential tool widely used in radiotherapy simulation and treatment delivery. And the Klarity AXIS Fixed Laser System works well in a wide range of RT scenarios and environments.



Configurations of Klarity AXIS™ Fixed Laser System



3 LASER ROOM

One ceiling laser projects the sagittal line, and two crosshair lasers project the transverse and coronal lines.



4 LASER ROOM

One ceiling laser projects the sagittal line, two crosshair lasers project the transverse and coronal lines, and one crosshair laser is added above the isocenter to avoid shadow areas.



5 LASER ROOM

One ceiling laser projects the sagittal line, two crosshair lasers project the transverse and coronal lines, and the two lasers below the isocenter project the coronal line.

Technical Data

Laser color (typical wave length)	Green (520nm)
Line width up to 4 m distance	< 1mm
Line length at 3 m distance	> 3m
Laser class	2
Operating temperature	15-30°
Power supply	100-240VAC
Dimensions (H x W x D)	250x125x83mm
Weight	2kg



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