

Klarity[®]

AxisLaser[™] System



Klarity AxisLaser™

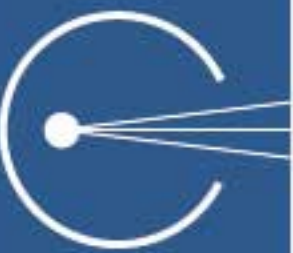
Mobile Laser System





Medical-grade laser line

The Klarity AxisLaser™ uses advanced mechanics and unique optoelectronic component to generate medical-grade laser lines.



Ultra-fine laser line

Green ultra-fine, extra-long laser lines 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 meets various CT simulation requirements.



Adopting a self-locking regulating system

When the laser is in place, the self-locking system avoids 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 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.

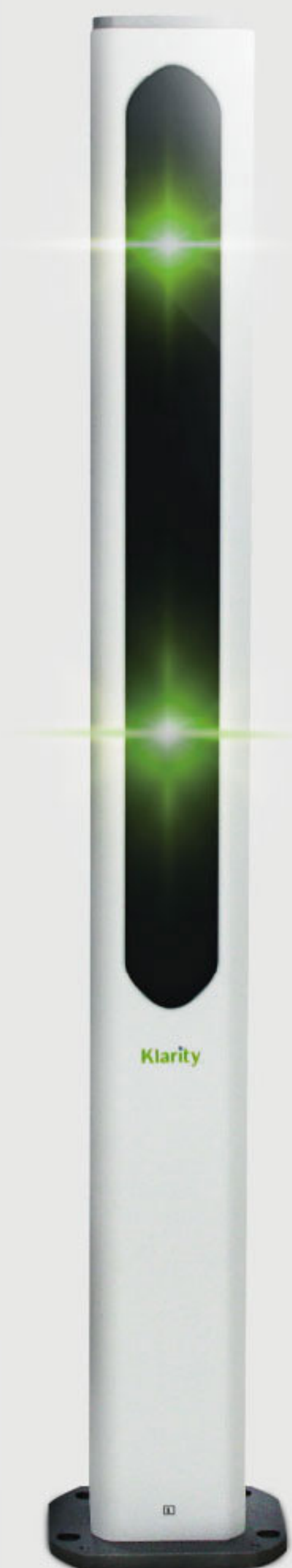


High-precision adapts to diverse environments

The integrated design of the laser within the standing column guarantees the highest level of stability and precision, and well as easy installation with minimal interference for existing rooms.

Klarity AxisLaser™ Control System

- ⊖ The mobile laser is easy to control with the use of a tablet PC with Bluetooth .
- ⊖ An intuitive operating interface creates a better laser control experience.
- ⊖ The System supports free motion control as well as coordinates input motion control.
- ⊖ Supports TPS connection.



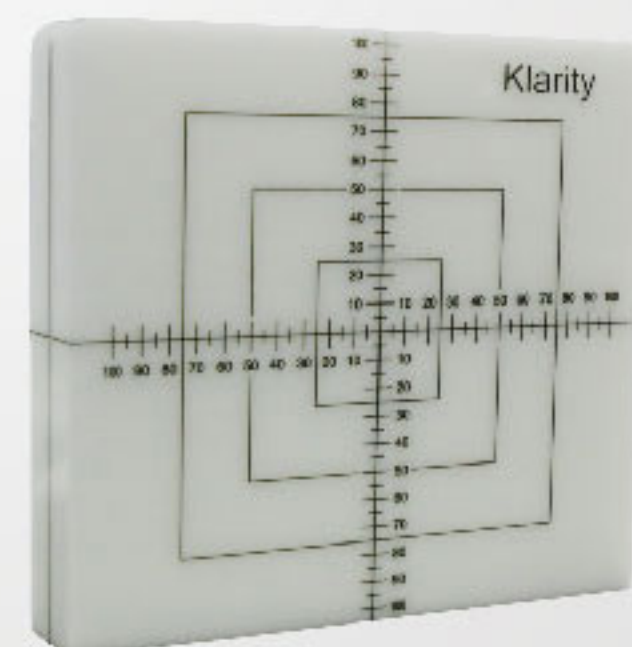
Mobile Laser System

- ⊖ For precision patient marking in RT planning.



Klarity AxisLaser™ Control System

- ⊖ The Control System comes with a tablet PC and dedicated application. It uses Bluetooth for easy and fast communication.



Phantom

- ⊖ Easy-to-use laser quality control.

Klarity AxisLaser™ Mobile Laser System Configurations



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 a crossed set of fixed 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 a fixed line from each standing column laser.

Coronal plane: A movable line from each standing column laser.



K-ARL-M3U

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

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

Coronal plane: A movable line from each standing column laser.



K-ARL-M5

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

Transverse plane: Movable lines projected by both top lasers.

Coronal plane: A movable line from each standing column laser.

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 AxisLaser™

Fixed Laser System



Klarity AxisLaser™ Fixed Laser System

Fixed lasers are essential tools widely used in radiotherapy simulation and treatment delivery. The Klarity AxisLaser™ Fixed Laser System works well in a wide range of RT scenarios and environments.



Klarity AxisLaser™ Fixed Laser System Configurations



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.



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.

K-ARL-F3

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

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



Better Products for Better Care

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