

Gold standard

Data Sheet

DORADO 3

Manually adjustable movable laser system for patient positioning at CT/PET-CT

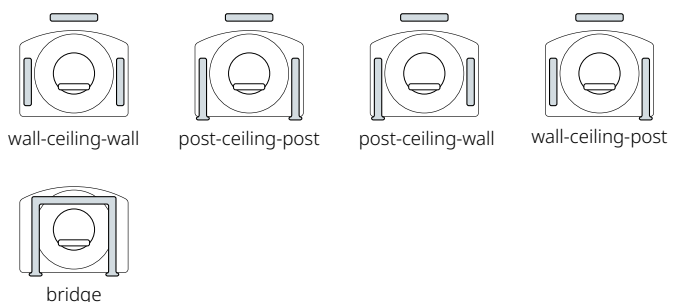
Features

- Flexible as all patient marking workflows can be applied. The patient is optimally prepared for treatment or a further MRI scan.
- Precise with a positioning accuracy of ± 0.1 mm and a projection precision of ± 0.5 mm at a distance of 4 m.
- Reliable due to the failsafe system, an independent double position check which ensures that lasers only turn on if they are in the correct position.
- Practical laser adjustment via Allen® key: Focus, rotate, tilt or shift the lasers as needed.

Configuration

- DORADO 3 laser system, consisting of one ceiling and two wall/post rails with fixed and movable lasers, projecting a movable sagittal and coronal and fixed transversal line to mark the patient in all three body planes.
- Laser color: red

Mounting options



Laser

Dimensions devices (L × W × H)	Wall/ceiling: 1553 × 143 × 109.5 mm 61.1 × 5.6 × 4.3 " Post: 1727.5 × 225 × 164 mm 68 × 8.9 × 6.5 "
Dimensions bridge (L × H) (Customized)	2594–5000 × 2300–2800 mm 102.1–196.9 × 90.6–110.2 "
Weight	Wall/ceiling: 23 kg Post: 24 kg Bridge: approx. 100 kg
Power supply	100–240 V AC, 50–60 Hz
Power supply (internal)	24 V DC
Laser color	red (638 nm)
Focusable range	1–4 m
Line length at 3 m distance	>3 m
Line width up to 4 m distance	<1 mm
Travel range	700 mm
Travel speed	up to 200 mm/s
Positioning accuracy	±0.1 mm
Projection precision	±0.5 mm up to 4 m distance
Ambient conditions	35–80 % rel. humidity, non-condensing
Operating temperature	15–30 °C
International protection rating	IP 20
Approved	A CE conformity assessment according to the European Medical Device Regulation MDR – (EU) 2017/745 was carried out successfully. The device is listed in the FDA Medical Devices Database and legally marketed in the USA.
Laser class	2
Laser power	<1 mW

Scope of delivery

- 1 ceiling rail with one movable laser for display of sagittal line and one fixed laser for display of transverse line
- 2 wall/post rails, each with one movable laser to display the coronal lines and one fixed laser for display of transverse lines
- Cable set consists of power cords and data cable
- WILKE Phantom for quality assurance
- 12 months standard warranty

LAP GmbH Laser Applikationen

Zeppelinstr. 23
21337 Lüneburg

Germany

P +49 4131 95 11-95

E info@lap-laser.com

CARINAnav

The associated control system for intuitive laser steering. Find out more:



Accessories

Optional accessories available, please refer to accessory overview:

