



Advanced system

Data Sheet

DORADOnova 5

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

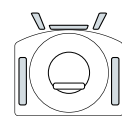
Features

- 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.
- Advanced as all patient marking workflows and further treatment and verification workflows can be applied. No CT couch movement necessary, which enables easy patient marking on nearly every anatomical location.
- Comfortable laser adjustment via remote control: All lasers can be easily selected and adjusted in focus, rotation, tilt or shift.

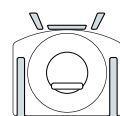
Configurations

- DORADOnova 5 laser system, consisting of three ceiling and two wall/post rails with movable lasers, projecting a movable sagittal, coronal and transversal line to mark the patient in all three body planes.
- Laser color: red, green or blue

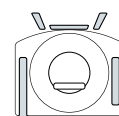
Mounting options



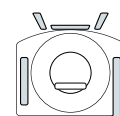
wall-ceiling-wall



post-ceiling-post



post-ceiling-wall



wall-ceiling-post

Laser

Dimensions devices (L × W × H)	Wall/ceiling: 1411 × 220 × 150 mm 55.6 × 8.7 × 5.9 " Post: 1541 × 225 × 164 mm 60.7 × 8.9 × 6.5 "
Weight	Wall/ceiling: 22 kg Post: 20 kg
Power supply	100–240 V AC, 50–60 Hz
Power supply (internal)	24 V DC
Laser color	red (638 nm), green (520 nm), blue (450 nm)
Focusable range	1–4 m
Line length at 3 m distance	>3 m
Line width up to 4 m distance	<0.7 mm (blue, green), <1 mm (red)
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

Remote control

Dimensions (L × W × H)	181 × 49 × 21 mm 7.1 × 1.9 × 0.8 "
Weight	130 g
Power supply	6 V DC (2 batteries type AAA/ LR 03/Micro, 1.5 V)
International protection rating	IP 40

CARINAnav

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



Accessories

Optional accessories available, please refer to accessory overview:



Scope of delivery

- 1 rail with one movable laser for display of sagittal line, mountable at ceiling
- 2 rails, each with one movable laser to display the transverse line, mountable at ceiling or wall
- 2 rails, each with one movable laser to display the coronal lines, mountable at wall or floor
- Remote control for laser adjustment
- 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

