



Basic solution

Data Sheet

DORADOnova 1

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

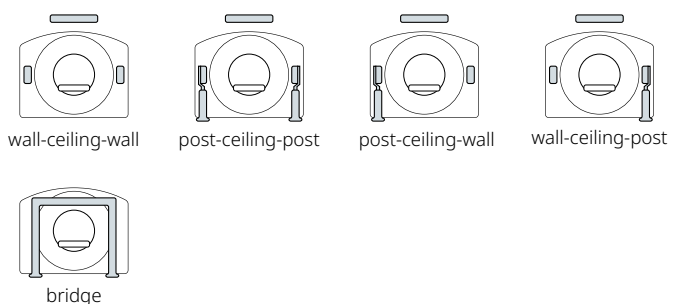
Features

- 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.
- Optimal to mark a reference point at the patient.
- Comfortable laser adjustment via remote control: All lasers can be easily selected and adjusted in focus, rotation, tilt or shift.
- Aesthetic for your room situation: Install your lasers safely, practically and aesthetically with the optional accessories.

Configurations

- DORADOnova 1 laser system, consisting of one movable ceiling rail and two APOLLO crosshair lasers, projecting a movable sagittal, fixed coronal and transversal line to mark the patient in all three body planes.
- Laser color: red, green or blue

Mounting options



Laser

Dimensions devices (L × W × H)	Wall: 237 × 110 × 105 mm 9.3 × 4.3 × 4.1 "
	Ceiling: 1553 × 143 × 109.5 mm 61.1 × 5.6 × 4.3 "
	Post: 1012–1512 × 225 × 167 mm 39.8–59.5 × 8.9 × 6.6 "

Dimensions bridge (L × H) (Customized)	2594–5000 × 2300–2800 mm 102.1–196.9 × 90.6–110.2 "
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Weight	Wall: 1.4 kg
	Ceiling: 23 kg
	Post: 11 kg
	Bridge: approx. 100 kg

Power supply	100–240 V AC, 50–60 Hz
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Power supply (internal)	24 V DC
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Laser color	red (638 nm), green (520 nm), blue (450 nm)
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Focusable range	1–4 m
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Line length at 3 m distance	>3 m
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Line width up to 4 m distance	<0.5 mm (blue), <1 mm (red, green)
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Travel range	700 mm
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Travel speed	up to 200 mm/s
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Positioning accuracy	±0.1 mm
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Projection precision	±0.5 mm up to 4 m distance
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Ambient conditions	35–80 % rel. humidity, non-condensing
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Operating temperature	15–30 °C
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International protection rating	IP 20
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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.

Approved

Laser class	2
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Laser power	<1 mW
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Remote control

Dimensions (L × W × H)	181 × 49 × 21 mm 7.1 × 1.9 × 0.8 "
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Weight	130 g
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Power supply	3 V DC (2 batteries type AAA/ LR 03/Micro, 1.5 V)
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International protection rating	IP 40
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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 ceiling rail with one movable laser for display of sagittal line and one fixed laser for display of transverse line
- 2 wall/post APOLLO crosshair laser to display transverse and coronal lines
- Remote control for laser adjustment
- Cable set consists of power cords and data cable
- WILKE Phantom for quality assurance
- 12 months standard warranty

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