

Gold standard

## Data Sheet

# DORADOnova 3

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

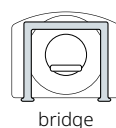
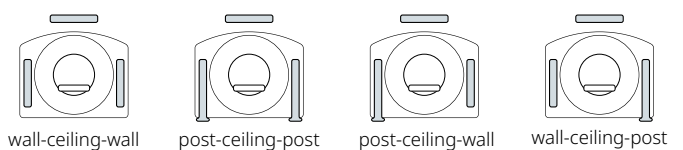
### Features

- Precise with a positioning accuracy of  $\pm 0.1$  mm and a projection precision of  $\pm 0.5$  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.
- Flexible as all patient marking workflows can be applied. The patient is optimally prepared for treatment or a further MRI scan.
- Comfortable laser adjustment via remote control: All lasers can be easily selected and adjusted in focus, rotation, tilt or shift.

### Configurations

- DORADOnova 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, green or blue

### Mounting options



## Laser

<b>Dimensions devices (L × W × H)</b>	Wall/ceiling: 1553 × 143 × 109.5 mm 61.1 × 5.6 × 4.3 "
	Post: 1727.5 × 225 × 164 mm 68 × 8.9 × 6.5 "

<b>Dimensions bridge (L × H) (Customized)</b>	2594–5000 × 2300–2800 mm 102.1–196.9 × 90.6–110.2 "
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<b>Weight</b>	Wall/ceiling: 23 kg
	Post: 24 kg
	Bridge: approx. 100 kg

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

<b>Laser class</b>	2
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<b>Laser power</b>	<1 mW
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### Remote control

<b>Dimensions (L × W × H)</b>	181 × 49 × 21 mm 7.1 × 1.9 × 0.8 "
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<b>Weight</b>	130 g
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<b>Power supply</b>	3 V DC (2 batteries type AAA/ LR 03/Micro, 1.5 V)
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<b>International protection rating</b>	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 rails, each with one movable laser to display the coronal lines and one fixed laser for display of transverse 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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