



## Data Sheet

# DORADOnova MR3T

Remotely adjustable movable laser bridge for patient positioning in an MRI environment

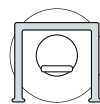
### Features

- Optimal for matching with CT images so that no or less application of rigid and deformable image registration algorithms are necessary. Perfect for the MR-only workflow, as all patient marking workflows can be applied at the MRI.
- The components are MR conditional up to 3T and can be used without impact on the imaging. Hence, they are perfectly suitable for your magnetic environment.
- 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.
- 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.

### Configurations

- DORADOnova MR3T laser system, consisting of one ceiling and two 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



Bridge

## Laser

<b>Dimensions (L × H) (Customized)</b>	2594–5000 × 2300–2800 mm 102.1–196.9 × 90.6–110.2 "
<b>Weight</b>	Bridge: approx. 100 kg
<b>Power supply</b>	100–240 V AC, 50–60 Hz
<b>Power supply (internal)</b>	24 V DC
<b>Laser color</b>	red (638 nm), green (520 nm), blue (450 nm)
<b>Focusable range</b>	1–4 m
<b>Line length at 3 m distance</b>	>3 m
<b>Line width up to 4 m distance</b>	<0.7 mm (blue, green), <1 mm (red)
<b>Travel range</b>	700 mm
<b>Travel speed</b>	up to 200 mm/s
<b>Positioning accuracy</b>	±0.1 mm
<b>Projection precision</b>	±0.5 mm up to 4 m distance
<b>Ambient conditions</b>	35–80 % rel. humidity, non-condensing
<b>Operating temperature</b>	15–30 °C
<b>International protection rating</b>	IP 20
<b>Approved</b>	A CE conformity assessment according to the European Medical Device Regulation MDR – (EU) 2017/745 was carried out successfully. The device is cleared in the USA under 510(k) K173926.
<b>Laser class</b>	2
<b>Laser power</b>	<1 mW

## Remote control

<b>Dimensions (L × W × H)</b>	181 × 49 × 21 mm 7.1 × 1.9 × 0.8 "
<b>Weight</b>	130 g
<b>Power supply</b>	3 V DC (2 batteries type AAA/ LR 03/Micro, 1.5 V)
<b>International protection rating</b>	IP 40

## CARINAnav MR

Included 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 post rails, each with one movable laser to display the coronal lines and one fixed laser for display of transverse lines
- Computer with laser control software CARINAnav MR
- 15" touch screen
- Cable set consists of data cable and interface converters
- Power supply unit
- Remote control for laser adjustment
- 12 months standard warranty

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