

## LASER SYSTEM FOR PATIENT POSITIONING AT MRI

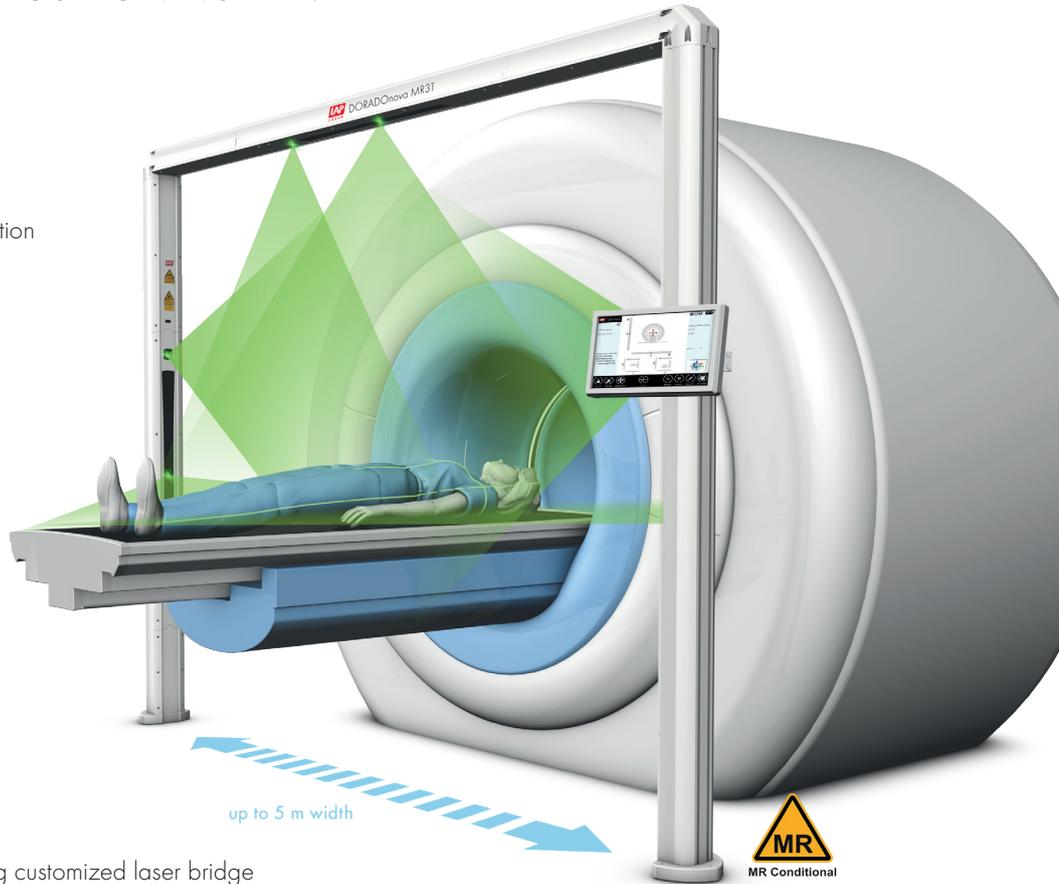
### DESCRIPTION

The customized laser bridge system LAP DORADOnova MR3T is used for patient positioning at MRI for a corresponding projection of laser lines according to CT position.

The sagittal and coronal planes are steerable by the included **CARINAnav laser control**, allowing easy and efficient patient alignment. The control software is operated by a touch screen mounted to the customized bridge, for easy laser control in the MR room.

The fibre optic connection to the PC in the control room fulfills the electromagnetic interference requirements for MR.

The LAP DORADOnova MR3T System is certified for MRI devices up to 3 Tesla.



### SAFETY FIRST

- Our free standing customized laser bridge systems compensate for all magnetically induced displacement forces
- All electronic components have no impact on the MR image quality

### SCOPE OF DELIVERY

- LAP DORADOnova MR3T laser bridge
- 15.6" touch screen
- Computer with laser control software CARINAnav
- Remote control
- Power Supply Unit
- Cable set + interface converters

### NOTES

- 12 months standard warranty
- Installation not included

### Laser Adjustment

All 6 degrees of freedom can be adjusted via remote control

- Shift, tilt, rotation
- Focus



## TECHNICAL DATA

SYSTEM	DORADOnova MR3T Bridge
Dimensions (customized)	Width: 2594-5000 mm (102.0"-196.9"), Height: 2300-2800 mm (90.6"-110.0")
Weight	approx. 100 kg
International Protection Rating	IP20
Operating temperature	15 ... 30°C
Ambient conditions	35 ... 80 % rel. humidity, non-condensing
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
LASER	
Laser colour (typical wave length)	red (638 nm), green (520 nm), blue (450 nm)
Laser class	2
Focusable range	1 ... 4 m
Line length at 3 m distance	> 3 m
Line width up to 4 m distance	< 0.5 mm (blue), < 1 mm (red, green)
Max. laser output power	< 1 mW
LASER CONTROL	
Operating system	MS Windows 10
Laser control software	CARINAnav
Touch screen size	15.6", Aspect ratio: 16:9
Touch screen resolution	1,680 x 1,050 at 60 Hz
POWER SUPPLY	
External power supply	110 ... 240 V AC, 50 ... 60 Hz
Internal voltage	24 V DC
REMOTE CONTROL	
Dimensions (H x W x D)	163 x 63 x 21 mm (6.4" x 2.5" x 0.8")
Weight	130 g
International Protection Rating	IP40
Power supply	6 V DC (4 batteries type AAA/LG 03/Micro, 1.5 V)



[www.LAP-LASER.com](http://www.LAP-LASER.com)

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