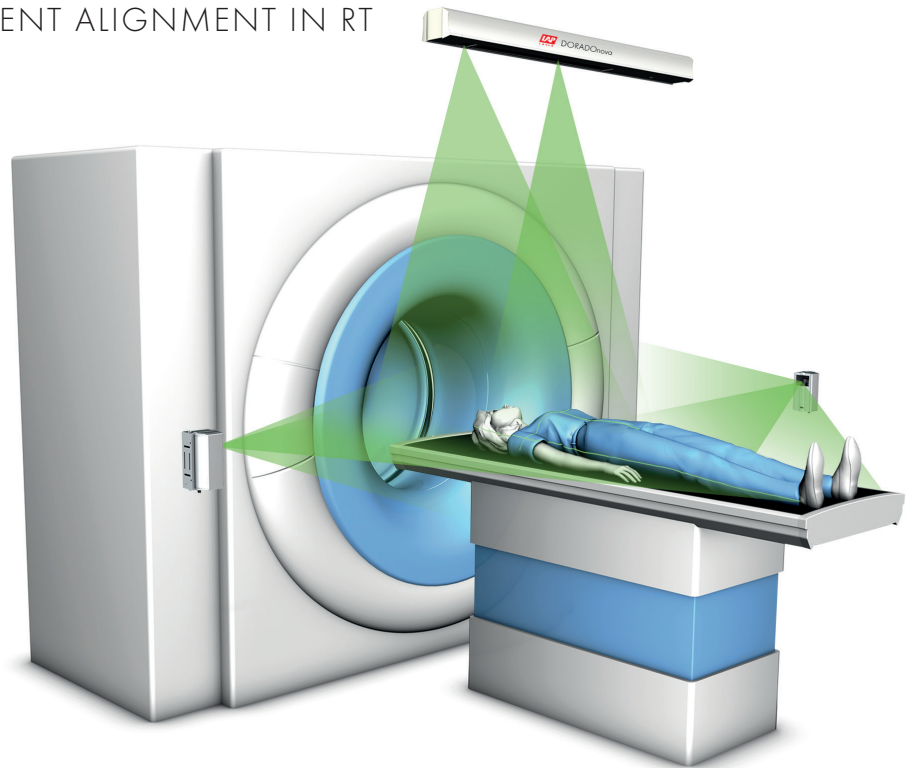


MOVING LASER SYSTEM FOR PATIENT ALIGNMENT IN RT

DESCRIPTION

Precise patient marking, accurate planning and exact positioning are key factors for a successful treatment. Patient marking takes place during CT simulation (virtual simulation) and is required for reproducible treatment positioning on the LINAC.

DORADOnova 1 laser system consists of one ceiling rail with a fixed and a movable laser module and two APOLLO crosshair laser for projecting red, green or blue lines to mark the patient in all three body planes



SCOPE OF DELIVERY

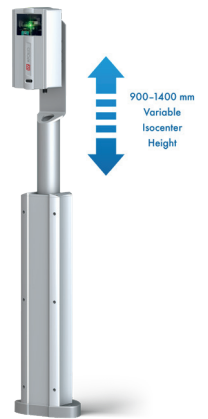
- 1 ceiling rail with one movable laser for display of sagittal line and one fixed laser for display of transverse line
- 2 wall/post APOLLO crosshair laser to display transverse and coronal lines
- Remote control for laser adjustment
- Cable set consists of power cords and data cable
- Wilke Phantom for quality assurance



Laser Adjustment

All 6 degrees of freedom can be adjusted via remote control

- Shift, tilt, rotation
- Focus



900-1400 mm
Variable
Isocenter
Height

Optional: post mount

MOUNTING VERSIONS

You are free to select from five mounting versions to perfectly match your existing room situation.



wall-ceiling-wall



post-ceiling-post



wall-ceiling-post



post-ceiling-wall



bridge

OPTIONS (SUBJECT TO COSTS)

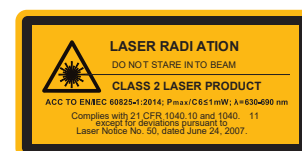
- Support system for false ceilings
- Support system for floor mounted units
- Bridge design

NOTES

- 12 months standard warranty
- Installation not included

TECHNICAL DATA

SYSTEM		
Dimensions	wall (W x H x D)	110 x 221 x 100 mm (4.3" x 8.7" x 3.9")
	ceiling (W x H x D)	1553 x 143 x 109.5 mm (61.1" x 5.6" x 4.3")
	post (W x H x D)	225 x 1012-1512 mm x 167 (8.9" x 39.8"-59.5" x 6.6")
	bridge (customized, W x H)	2594-5000 mm x 2300-2800 mm (102.1"-197" x 90.6"-110.2")
Weight	wall	2.6 kg
	ceiling	23 kg
	post	12 kg
	bridge	approx. 100 kg
International Protection Rating	IP20	
Operating temperature	15 ... 30°C	
Ambient conditions	35 ... 80 % rel. humidity, non-condensing	
Travel range (ceiling)	700 mm	
Travel speed (ceiling)	up to 200 mm/s	
Positioning accuracy (ceiling)	± 0.1 mm	
Projection precision (ceiling)	± 0.5 mm at 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	
POWER SUPPLY		
External power supply	100 ... 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/LR 03/Micro, 1.5 V)	



www.LAP-LASER.com

LAP GmbH
Laser Applikationen
 Zeppelinstrasse 23
 21337 Lueneburg
 Germany
 Phone +49 4131 9511-95
 Fax +49 4131 9511-96
 Email info@lap-laser.com

LAP DORADO and LAP APOLLO are registered trademarks of LAP GmbH Laser Applikationen. Further designations of products or services may be registered trademarks of LAP GmbH or other organizations; their use by third parties may infringe the rights of the respective owners.



NL-Tec Pty Ltd
 Unit 10/16 Yampi Way
 Willetton, WA 6155
 Australia

Tel: +61 8 9259 5100
 e-mail: info@nl-tec.com
 www.nl-tec.com