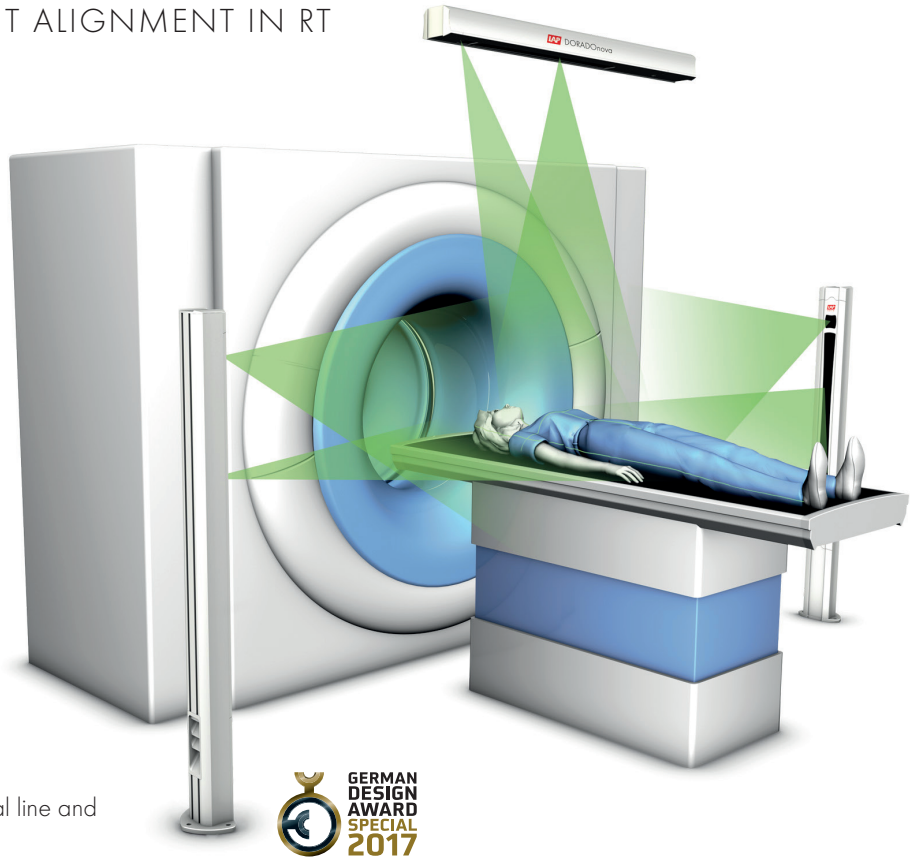
DATA SHEET DORADOnova 3

MOVING LASER SYSTEM FOR PATIENT ALIGNMENT IN RT



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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 3 laser system consists of three rails with fixed and movable laser modules 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 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

Laser Adjustment

All 6 degrees of freedom can be adjusted via remote control

- Shift, tilt, rotation
- Focus

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 × H × D) ceiling (W × H × D) post (W × H × D) bridge (customized, W x H)	1553 × 143 × 109.5 mm (61.1'' x 5.6'' x 4.3'') 1553 × 143 × 109.5 mm (61.1'' x 5.6'' x 4.3'') 1707.5 × 225 × 164 mm (67.2'' x 8.9'' x 6.5'') 2594-5000 mm x 2300-2800 mm (102.1''-197'' x 90.6''-110.2'')
Weight	wall, ceiling post bridge	23 kg 24 kg 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 accuracy		± 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		< 1 mm (red, green), < 0.5 mm (blue)
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 × W × D)	163 × 63 × 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)

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ISO 9001
ISO 13485

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