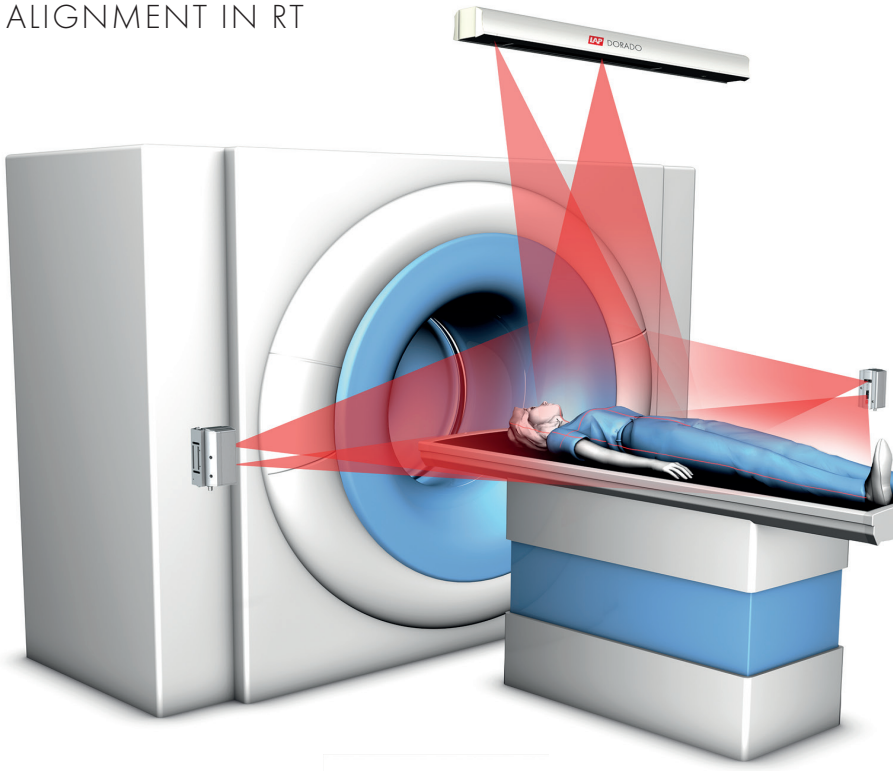
# DATA SHEET DORADO 1



## MOVING LASER SYSTEM FOR PATIENT ALIGNMENT IN RT



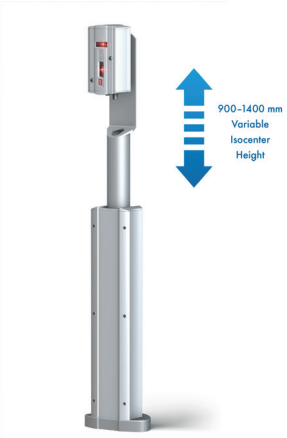

### DESCRIPTION

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.

DORADO 1 laser system consists of one ceiling rail with a fixed and a movable laser module and two ASTOR crosshair laser for projecting red 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 ASTOR crosshair laser to display transverse and coronal lines
- Cable set consists of power cords and data cable
- Wilke Phantom for quality assurance




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 × H × D)<br>ceiling (W × H × D)<br>post (W × H × D)<br>bridge (customized, W x H) | 86 × 182 × 90 mm (3.4'' x 7.2'' x 3.5'')<br>1553 × 143 × 109.5 mm (61.1'' x 5.6'' x 4.3'')<br>225 x 1012-1512 mm x 167 (8.9'' x 39.8''-59,5'' x 6.6'')<br>2594-5000 mm x 2300-2800 mm (102.1''-197'' x 90.6''-110.2'') |
| Weight | wall<br>ceiling<br>post<br>bridge | 1.4 kg<br>23 kg<br>11 kg<br>approx. 100 kg |
| International Protection Rating | | IP20 |
| Operating temperature | | 15 ... 30°C |
| Ambient conditions | | 35 ... 80 % rel. humidity, non-condensing |
| Travel range (ceiling) | | 600 mm |
| Travel speed (ceiling) | | up to 200 mm/s |
| Positioning accuracy (ceiling) | | ± 0.1 mm |
| Projection precision (ceiling) | | ± 0.5 mm up to 4 m distance |
| **LASER** | | |
| Laser colour (typical wave length) | | red (638 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 |
| Max. laser output power | | < 1 mW |
| **POWER SUPPLY** | | |
| External power supply | 100 ... 240 V AC, 50 ... 60 Hz | |
| Internal voltage | 24 V DC | |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