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 5 laser system consists of five rails with movable laser modules for projecting red, green or blue lines to mark the patient in all three body planes.

SCOPE OF DELIVERY
■ 1 rail with one movable laser for display of sagittal line, mountable at ceiling or wall
■ 2 rails, each with one movable laser to display the transverse line, mountable at ceiling or wall
■ 2 rails, each with one movable laser to display the coronal lines, mountable at wall or floor
■ Remote control for laser adjustment
■ Cable set consists of power cords and data cable
■ Wilke Phantom for quality assurance

MOUNTING VERSIONS
You are free to select from four mounting versions to perfectly match your existing room situation. Each device has a flexible installation range according to the specifications and projection plane.

OPTIONS (SUBJECT TO COSTS)
■ Support system for false ceilings
■ Support system for floor mounted units

NOTES
■ 12 months standard warranty
■ Installation not included
### TECHNICAL DATA

**SYSTEM**

<table>
<thead>
<tr>
<th>Dimensions of</th>
<th>ceiling or wall rail [W × H × D]</th>
<th>wall, ceiling post</th>
<th>floor rail [W × H × D]</th>
<th>1411 × 220 × 150 mm [55.5” × 8.7” × 5.9”]</th>
<th>1541 × 225 × 164 mm [60.7” × 8.9” × 6.5”]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>wall, ceiling post</td>
<td>22 kg</td>
<td>20 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Protection Rating</td>
<td>IP20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>15 … 30°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Ambient conditions</td>
<td>35 … 80 % rel. humidity, non-condensing</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Travel range</td>
<td>700 mm</td>
<td></td>
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<td></td>
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<tr>
<td>Travel speed</td>
<td>up to 200 mm/s</td>
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<tr>
<td>Positioning accuracy</td>
<td>± 0.1 mm</td>
<td></td>
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<tr>
<td>Projection precision</td>
<td>± 0.5 mm up to 4 m distance</td>
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</tbody>
</table>

**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 × W × D]: 163 × 63 × 21 mm [6.4” × 2.5” × 0.8”]
- Weight: 130 g
- International Protection Rating: IP40
- Power supply: 6 V DC [4 batteries type AAA/LG 03/Micro, 1.5 V]