SERVOLASER Xpert

MOVEABLE LASER LINES.
CONTROLLED BY YOUR PRESETS.
HIGH PRECISION LASER TECHNOLOGY FOR ALIGNMENT TASKS. PRECISE POSITIONING USING LASER LINES CONTROLLED BY YOUR PLC OR IPC. VERSATILE, FAST AND FLEXIBLE.
### 7 Dimensions of Moving Range

<table>
<thead>
<tr>
<th>MODEL:</th>
<th>XS</th>
<th>S</th>
<th>M</th>
<th>L</th>
<th>XL</th>
<th>XXL</th>
<th>XXXL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moving Range [mm]</td>
<td>600</td>
<td>1000</td>
<td>1200</td>
<td>1600</td>
<td>1900</td>
<td>2100</td>
<td>2600</td>
</tr>
</tbody>
</table>

### SERVOLASER Xpert

**Increase Speed and Quality of Your Production**

**The Precision Xpert**
- High quality components like magnetic encoded straightedge
- High end production like individual manufacturing of each system
- High accuracy finishing like individual 3D linearisation of each rail

**The Versatility Xpert**
Select the optimum solution for your task from hundreds of possible combinations of moving range, laser modules and control interfaces.

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**THE PRECISION Xpert**
- High quality components like magnetic encoded straightedge
- High end production like individual manufacturing of each system
- High accuracy finishing like individual 3D linearisation of each rail

**THE VERSATILITY Xpert**
Select the optimum solution for your task from hundreds of possible combinations of moving range, laser modules and control interfaces.
THE VISIBILITY Xpert

- Two laser colors to offer maximum contrast on your material
- Dimmable laser modules to optimize visibility on different surfaces
- Focusing distance and depth of field are adjusted for your projection distance

THE CONNECTIVITY Xpert

Standard Interfaces for the most common industrial protocols:
- EtherNet/IP™
- Profinet
- Modbus/TCP

Technical Data

- Number of modules: 1 or 2 movable lasers in one housing, fixed center laser optional
- Wavelengths*: 635 nm, 520 nm
- Laser class: 2
- Standard-opening angle of laser modules: 90°, 40° optional
- Moving range: up to 2600 mm
- Positioning speed: up to 1000 mm/s
- Projection accuracy: ±0.18...±0.5 mm**
- Line width: 0.2...0.6 mm (FWHM) at 1...4 m focusing distance
- Protection class: IP 54
- Operating temperature: 0...40°C
- Power supply: 24 V DC
- Interfaces: EtherNet/IP™, Profinet, Modbus/TCP

* free selection and combination ** depending on rail length, projection distance 1.0...2.8 m
CONFIGURATIONS

SERVOLASER Xpert offers one or two movable laserlines and one optional fixed centerline in one housing.

- SYMMETRICAL
- FULL RANGE
- MAX RANGE

www.lap-laser.com/servolaser-xpert