SERVOLASER Xpert

MOVEABLE LASER LINES.
CONTROLLED BY YOUR PRESETS.

L A S E R
SERVOLASER Xpert

HIGH PRECISION LASER TECHNOLOGY FOR ALIGNMENT TASKS. PRECISE POSITIONING USING LASER LINES CONTROLLED BY YOUR PLC OR IPC. VERSATILE, FAST AND FLEXIBLE.
INCREASE SPEED AND QUALITY OF YOUR PRODUCTION

THE PRECISION

- 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

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

7 DIMENSIONS OF MOVING RANGE

MODEL: Moving Range [mm]:

- XS: 600
- S: 1000
- M: 1200
- L: 1600
- XL: 1900
- XXL: 2100
- XXXL: 2600
Technical Data

Number of modules: 1 or 2 movable lasers in one housing. Fixed center laser optional.

Wavelengths: 635 nm, 520 nm, 450 nm

MTTF: > 30,000 h at 25 °C

Laser power: 1 ... 40 mW (dimmable)

Laser classes: 1, 2, 2M, 3R depending on laser power and opening angle

Standard-opening angle of laser modules: red, green: 90°; blue: 70°; other opening angles on request

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 focussing distance

Protection class: IP 54

Operating temperature: 0 ... 40 °C

Power supply: 24 V DC

Interfaces: Ethernet/IP, MODBUS TCP, PROFIBUS DP, PROFINET, EtherCAT

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

THE VISIBILITY Xpert

- Three 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
- PROFIBUS DP
- PROFINET
- EtherCAT

* coming soon
CONFIGURATIONS
SERVOLASER Xpert offers one or two movable laserlines and one optional fixed centerline in one housing.

[SYMMETRICAL]

[FULL RANGE]

[MAX RANGE]