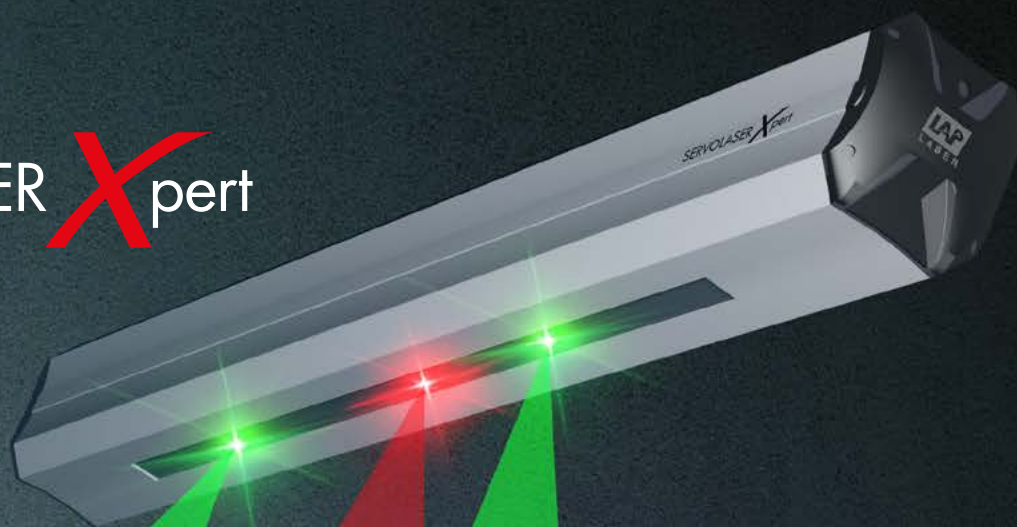


SERVOLASER **X**pert

EN



**MOVEABLE LASER LINES.
CONTROLLED BY YOUR PRESETS.**



A detailed view of a complex industrial machine, possibly a conveyor system or a large-scale manufacturing component. The machine is constructed from dark, polished metal. A prominent feature is a large, cylindrical, ribbed component on the left side. A long, horizontal metal beam extends from the left towards the right. At the end of this beam, a laser alignment device is mounted. This device is a long, rectangular unit with a silver-colored body and a black end cap. It is emitting three distinct laser lines: two green lines and one red line. The background is dark and out of focus, showing more of the machine's structure.

SERVOLASER **X**pert

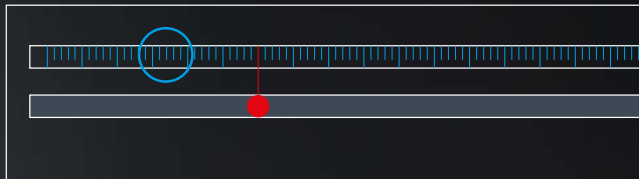
HIGH PRECISION LASER TECHNOLOGY FOR
ALIGNMENT TASKS. PRECISE POSITIONING
USING LASER LINES CONTROLLED BY YOUR
PLC OR IPC. VERSATILE, FAST AND FLEXIBLE.

SERVOLASER **X**pert

INCREASE SPEED AND QUALITY
OF YOUR PRODUCTION

THE PRECISION **X**pert

- 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

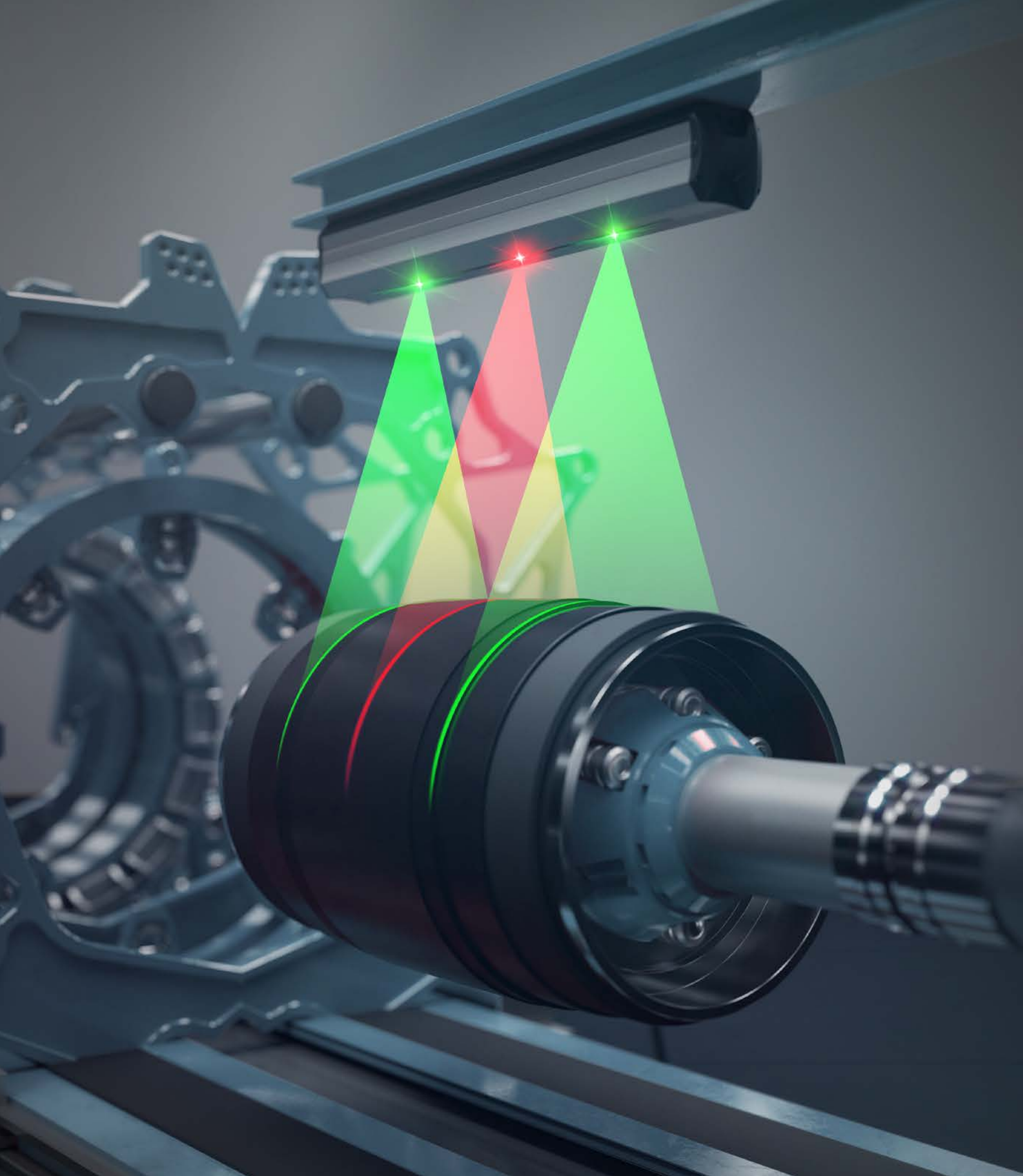


THE VERSATILITY **X**pert

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:	XS	S	M	L	XL	XXL	XXXL
Moving Range [mm]:	600	1000	1200	1600	1900	2100	2600



THE VISIBILITY **Xpert**



- Two laser colors to offer maximum contrast on your material
- Dimmable laser modules to optimize visibility on different surfaces.
- Focussing 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 focussing 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

