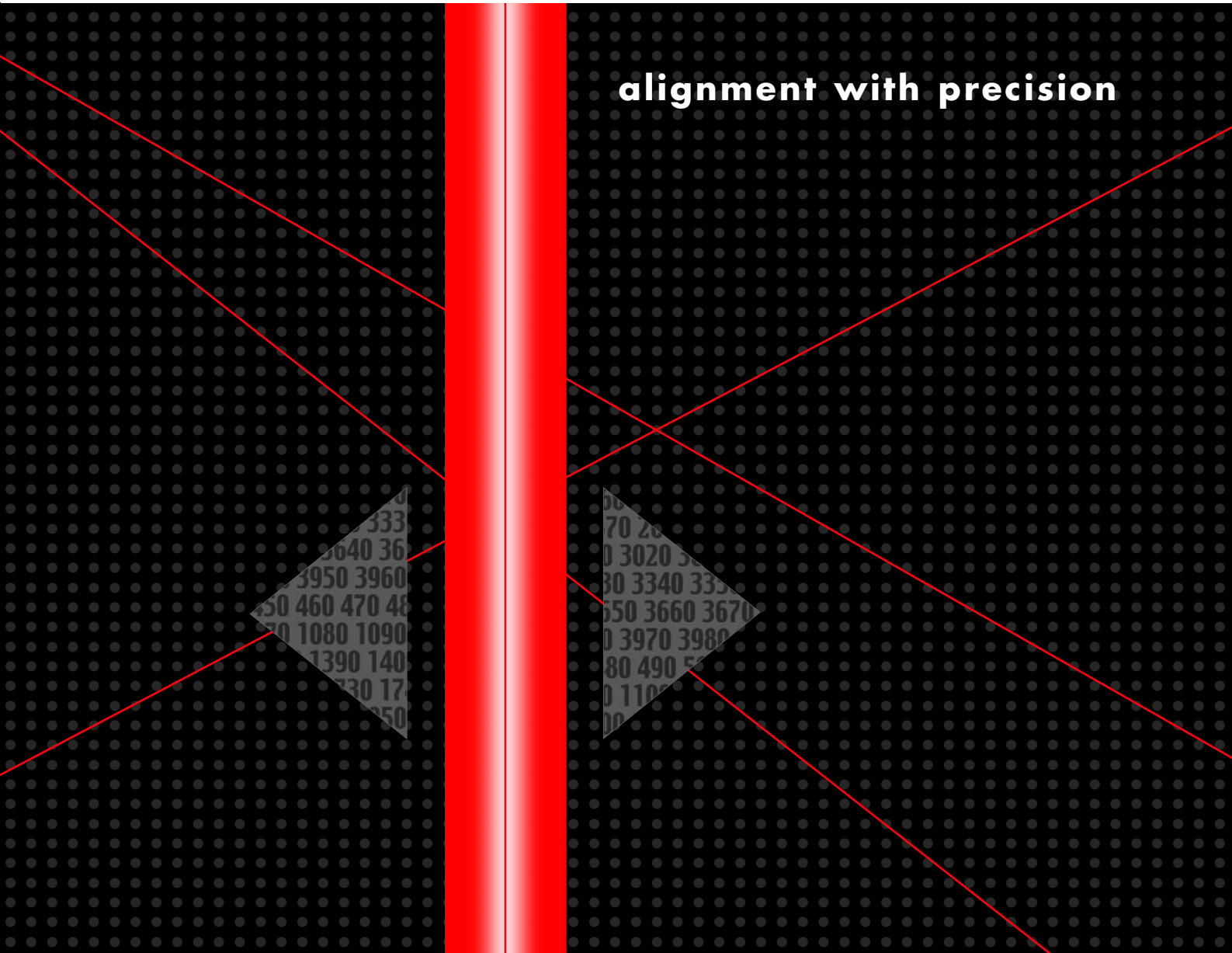


# ***SERVOLASER***

 **POSITIONING SYSTEM**  
with multiple movable and fixed line lasers

**alignment with precision**



# SERVOLASER POSITIONING SYSTEMS.



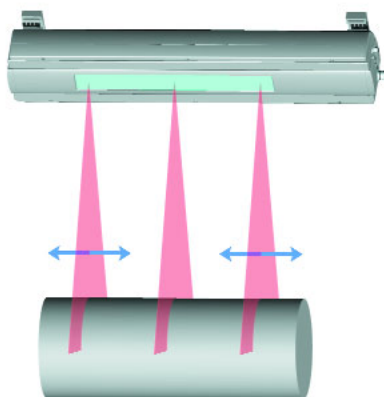
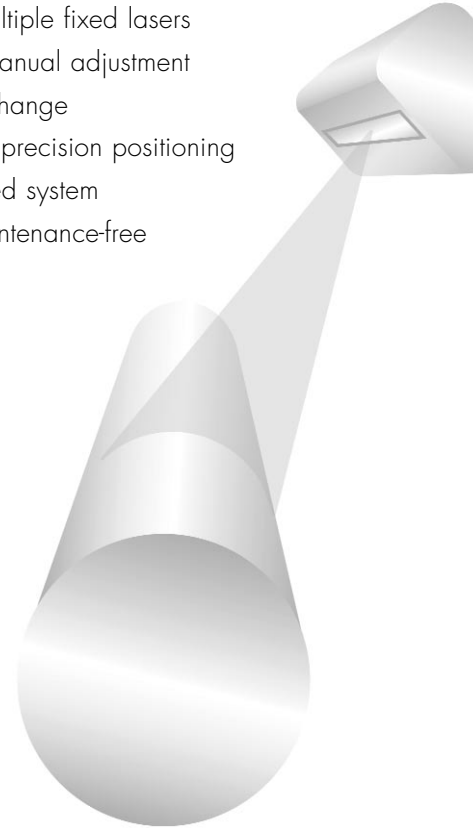
## HIGHLIGHTS.

- Replaces multiple fixed lasers
- Eliminates manual adjustment at product change
- High speed precision positioning
- Self-contained system
- Virtually maintenance-free

## PRECISE, FAST, MAINTENANCE-FREE.

The LAP SERVOLASER is a flexible positioning system, which can be directly controlled from a PC or PLC via several interface options (parallel, Ethernet UDP, Profibus DP).

Lasers, positioning drive and electronics are encapsulated in the compact, rugged housing, protecting all moving parts from dirt and eliminating the need for cleaning or maintenance.



## VERSATILE AND FLEXIBLE.

The LAP SERVOLASER can be equipped with one moving laser, covering the entire travel range, or with two symmetrically moving lasers, generating two parallel lines.

One or two fixed lasers may be added to project lines either parallel or rectangular to the moving lines. Typical models for the tire industry have one centered fixed laser and two movable lasers.

# TECHNICAL DATA.

## STANDARD MODELS.

Number and position of fixed and movable lasers may be customized. Basic configurations consist of one or two movable lasers in combination with one or two fixed lasers. Custom configurations are developed on request.

Modell	Range of movement	Dimensions [L x W x H mm/inch]
SLDx-y-0400	max. 400 mm / 15.8 inch	920 x 180 x 130 / 36.2 x 7.1 x 5.1
SLDx-y-0600	max. 600 mm / 23.6 inch	1120 x 180 x 130 / 44.1 x 7.1 x 5.1
SLDx-y-1200	max. 1200 mm / 47.2 inch	1720 x 180 x 130 / 67.7 x 7.1 x 5.1
SLDx-y-1600	max. 1600 mm / 63 inch	2120 x 180 x 130 / 83.5 x 7.1 x 5.1

x: number of movable lasers y: number of fixed lasers SLD2-1-1200 describes a system with 2 movable lasers, 1 fixed laser and 1200 mm range

## GENERAL DATA.

Laser type, wavelength	Diode, 635 nm, red
Positioning accuracy	$\pm 0,3$ mm ( $\pm 0.012$ inch) in 1 m (40 inch) distance
Line width	$< 1$ mm ( $< 0.04$ inch) in 1 m (40 inch) distance
Moving speed	up to 200 mm/sec (up to 8 inch/sec)
Output power	1 - 15 mW
Laser class	2 or 2M
Enclosure rating	IP 54
Ambient temperature	0 - 40°C (14 - 104 °F)
Power supply	24 VDC
Interfacing	parallel, Ethernet UDP, Profibus DP



## ACCESSORIES AND OPTIONS.

- Mounting brackets
- Hand held interface
- Customized moving ranges
- Reduced minimum distance between laser modules (50 mm)

LAP has a great deal of experience with customer-specific turn-key solutions for individual projection applications. Please inquire!



Sensors, Guidelights, Projectors  
Systems & Solutions




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