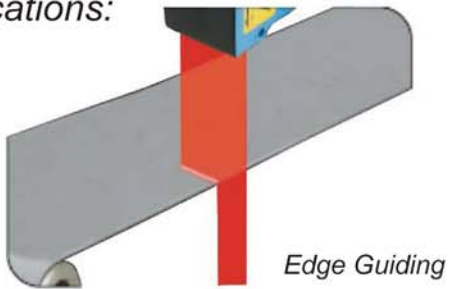


## 2-D Laser Profile Sensor

- 27 mm effective laser beam width
- Vertical (Z axis) and Horizontal (X axis) measurement
- Built-in LCD monitor
- Simple onboard controller functionality
- Optional remote monitor
- 7 modes of operation: Peak detection, Bottom detection, Peak to Peak detection, Shape Comparison, Edge Counting, Edge Position (X axis) Guiding, Edge Position (Z axis) Guiding



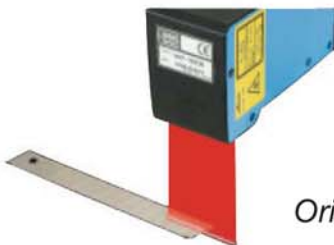
### Applications:



Edge Guiding



Bent pin detection and pin counting



Orientation checking



Profile matching

Type	2-D Laser Profile Sensor
Model Number	SHP-100C(N/P)
Detection Range	100 mm +/- 25 mm
Detection Width	17 mm @ 75 mm ~ 27 mm @ 125 mm
Projected Laser Line Width	0.3 x 32 mm
Light Source	Class II Red Laser Diode (wavelength 650 nm)
Resolution	50 μm (Z direction) ~ 0.1 mm (X Direction)
Linearity	+/- 0.5% F.S. (Z Direction) ~ +/- 1% F.S. (X Direction)
Analog Output	4 to 20 mA
Control Output	3 NPN or PNP, 100 mA max.
Supply Voltage	12 ~ 24 VDC incl. 10% ripple