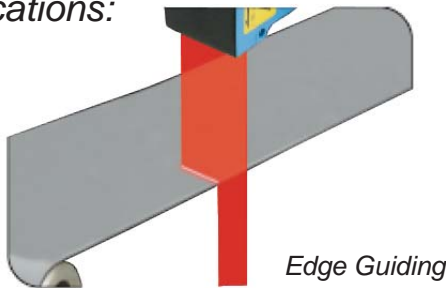


2-D Laser Profile Sensor

- 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



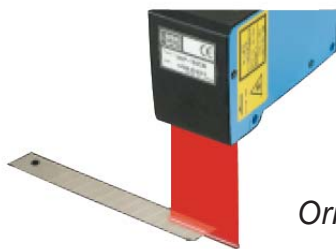
Applications:



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 |