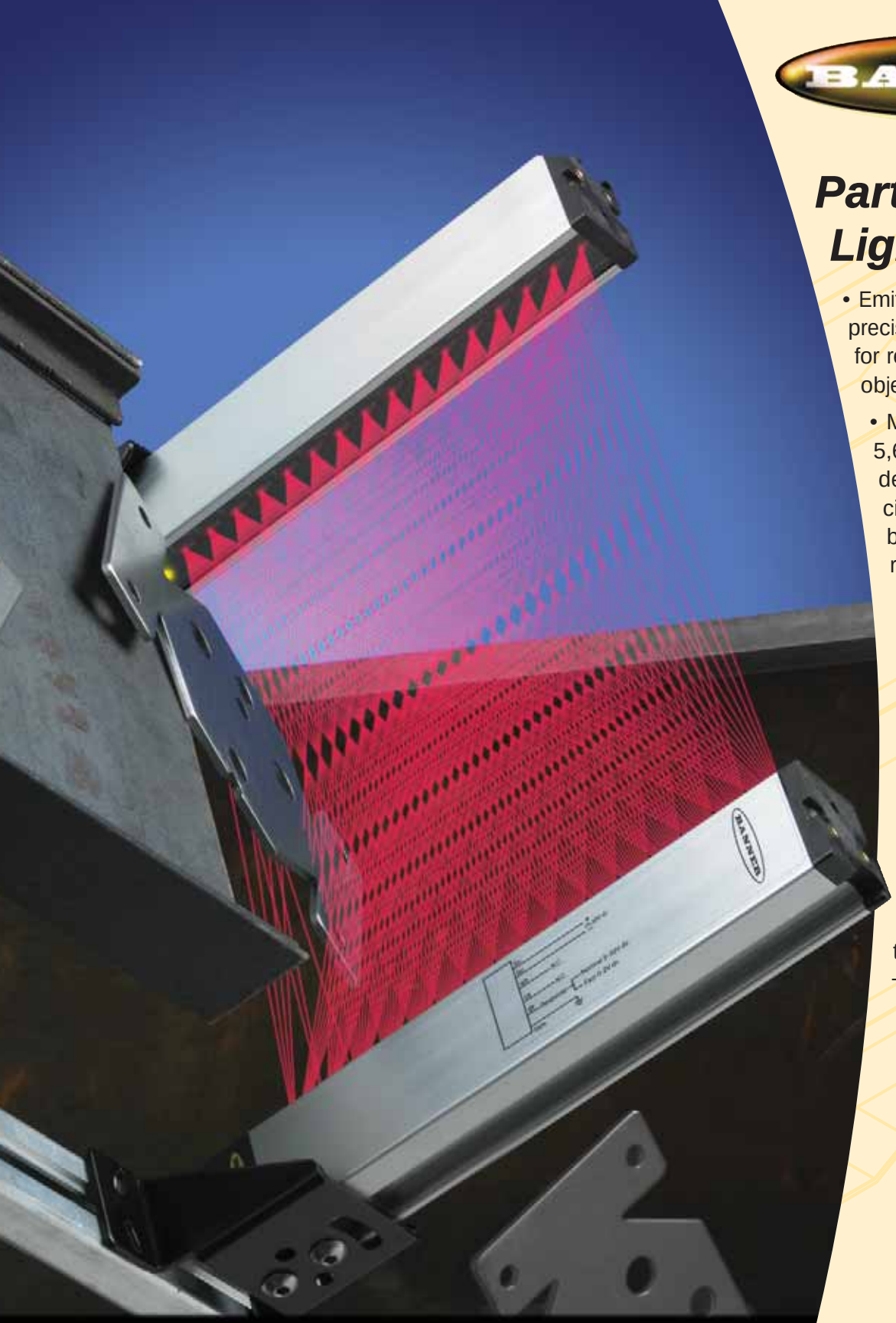
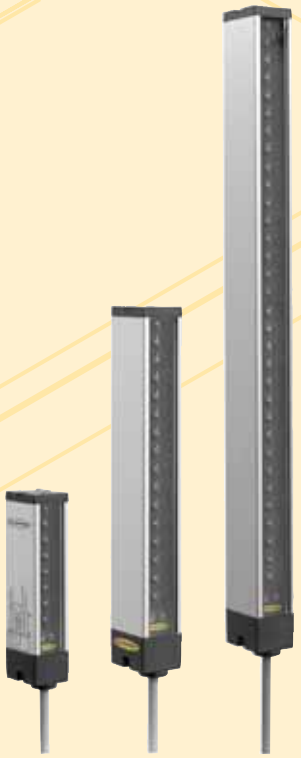


Part Sensing Light Screens

- Emitter & receiver pair produce a precise optical crosshatch pattern for reliable detection of small objects.
- Minimum object detection: 5,6 or 9,5 mm (model dependant). This is only for circular objects: flat objects can be much smaller and yet be reliably detected.
- Available in 3 housing lengths (75, 150 and 300 mm) and 2 sensing ranges (150 and 2000 mm).
- 0,8 to 3,2 ms response speed.
- Rugged silver anodised aluminium housing.
- Simplified wiring, no synchronisation wire required.
- IP65 sealing, wide temperature range (-20 °C to +70 °C).

LX Series



High-speed detection of small objects

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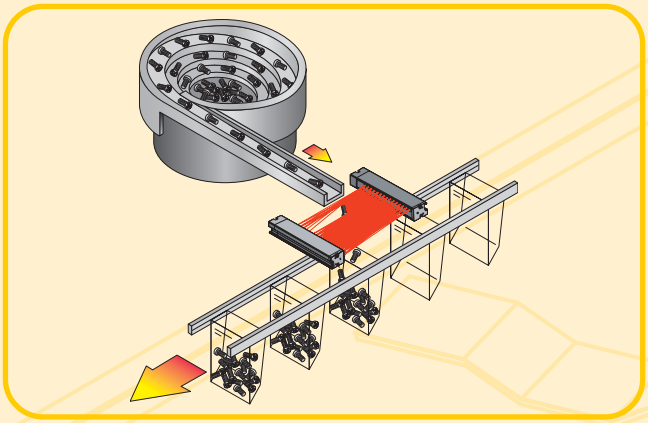
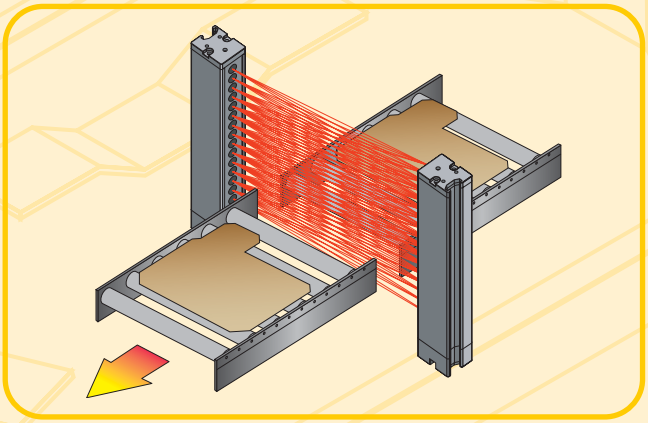


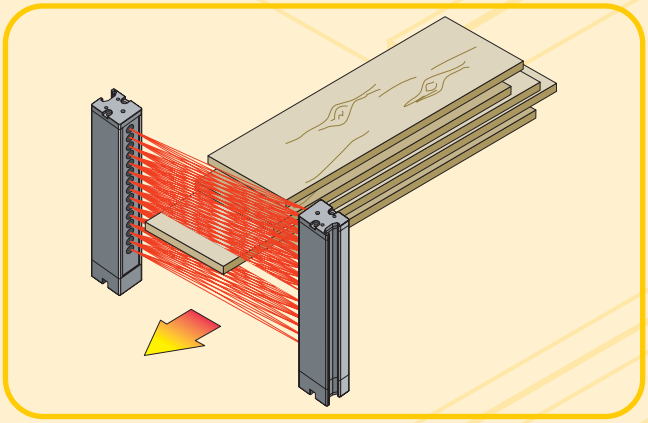
▲ Parts Counting

To count hardware as it leaves a vibratory feeder: the output of the LX6RSR receiver includes a 5 ms pulse stretcher (OFF-delay) to improve count accuracy. Successive parts must be separated by at least 7 ms.



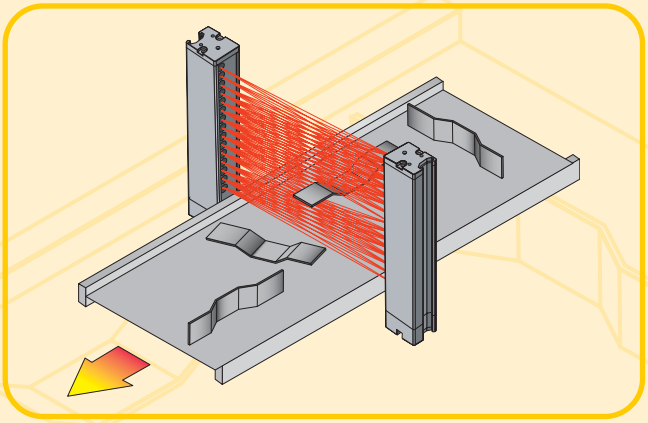
▲ Flat sheet detection

Even the thinnest parts can be reliably detected as they pass on a conveyor. A small gap is required in the conveyor, alternatively the light curtain can be mounted horizontally to look between rollers.



▲ Leading edge detection

The LX light screen is very well suited to detect the leading edge of objects. This is very important in automated packaging lines, such as shrink wrap or sealer units.



▲ Parts Detection

Even irregular parts lying in random orientation on a conveyor can be detected. Typically single beam detectors will not trigger correctly if the parts are not correctly oriented.

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