



The DSTA-200 laser array from Optex FA monitors the diameter of bushings on a conveyor line. The Optex laser array verifies the correct bushing diameter. If the wrong diameter part is detected, the D2SA amplifier will send a signal to the PLC in order to remove the part from the line.



The DSR-800 with the BL-W130L-1 line lens is set-up in transparent detection mode. The Optex sensor detects the position of the transparent film edge. The D2SA amplifier sends a 4-20ma analog signal to the controller that is proportional to the amount of transparent film blocking the laser line. The signal goes to a servo to control the position of the transparent film.

## Laser Line And Laser Array Detection

**D2SA Series:** High functionality digital display laser amplifier with modular optics.

- The D2SA series amplifier has several output configurations including 4-20ma for applications requiring measurement or web guiding and 2 digital outputs so that 2 independent threshold values can be set-up for judgment detection applications.
- The D2SA amplifier provides remote teaching capability for quick product changeover
- Retro-reflective laser optic provides reliable detection of transparent films and glass at 8 meters.
- Unique coaxial design on the retro and diffuse modes allow the sensor to be placed in tight spaces and look through small openings.
- The optional snap on lens creates a laser line or 35mm x 35mm diameter detection area that is good for detecting falling or extruded parts. ie. pills, small motor brushes, springs, etc.
- The 30mm thru-beam array optic is ideal for many web guiding and error proofing applications such as confirming correct part diameter.
- Also available in a small pinpoint thru-beam version for detecting small targets that are close together: ie. disk or wafer counting in a cassette.



D2SA amplifier with digital display and multiple output configurations