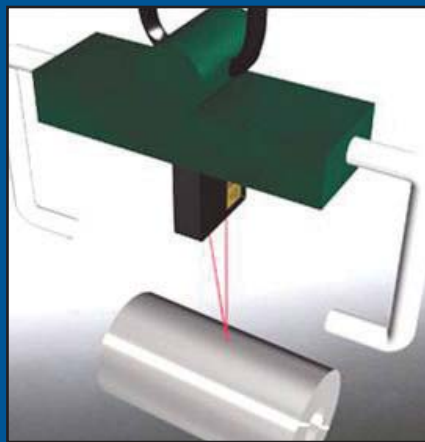


Measurement of tire tread and sidewall.



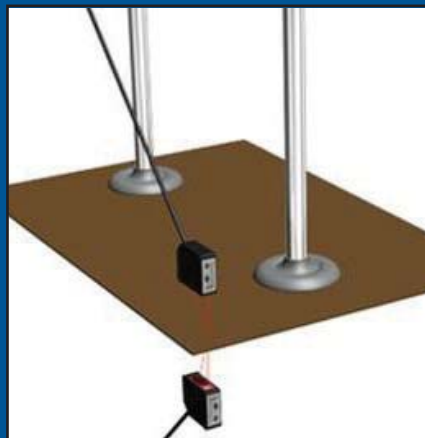
Long distance position control of crane.



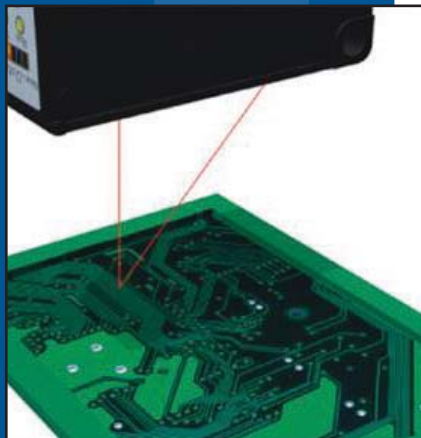
Measurement of coil diameter.



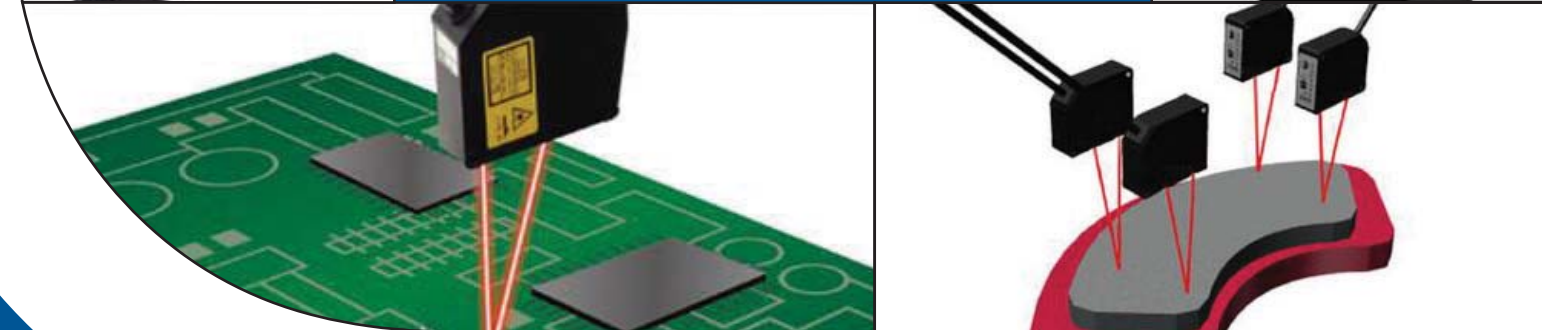
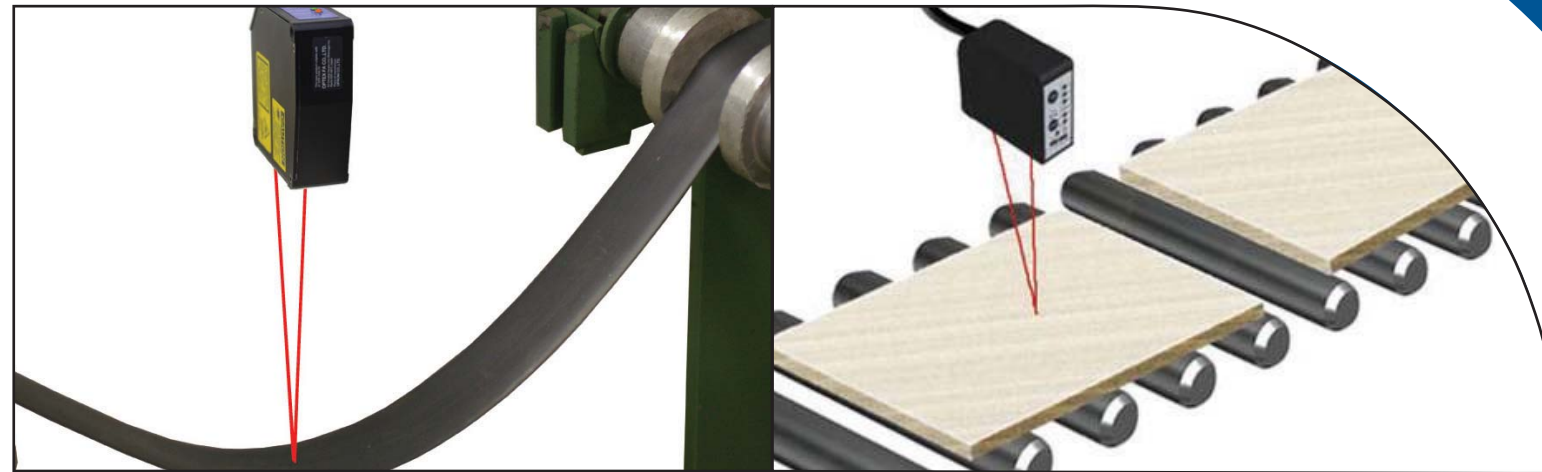
Checking for proper liner presence.



Checking for double sheet feed.



Measuring substrate warpage.



Optex Family of Laser Displacement Measurement Sensors



CD5 Series with Controller



CD4 Series with Controller



CD33 Series



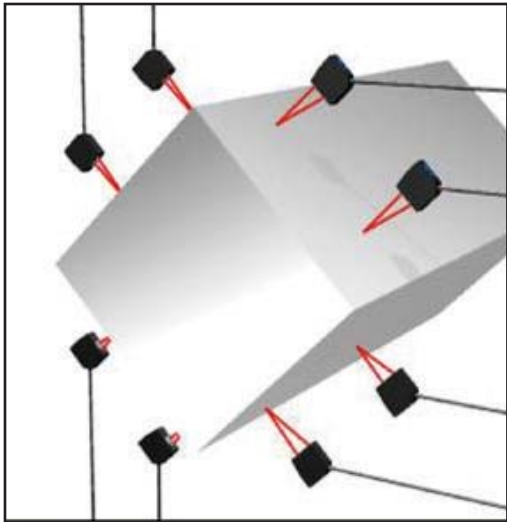
www.optex-ramco.com



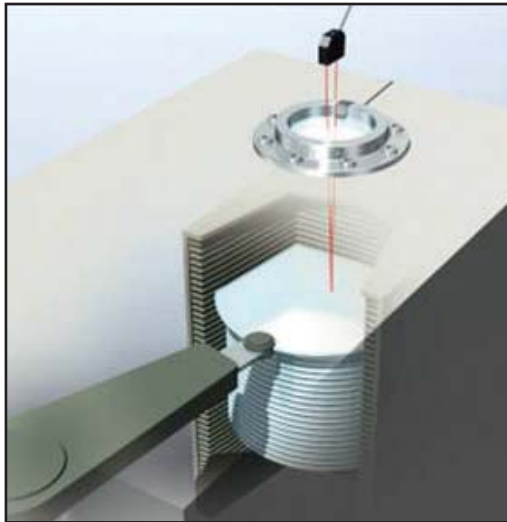
Laser Displacement Measurement SENSING APPLICATIONS

Materials

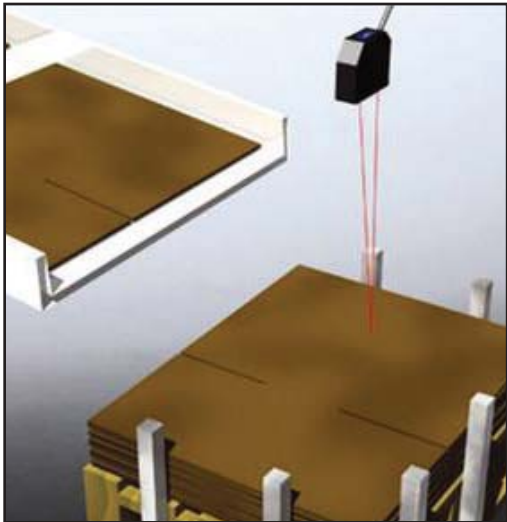
- Cardboard
- Ceramic
- Glass
- Metal
- Paper
- Plastic
- PVD
- Rubber
- Silicone
- Wood



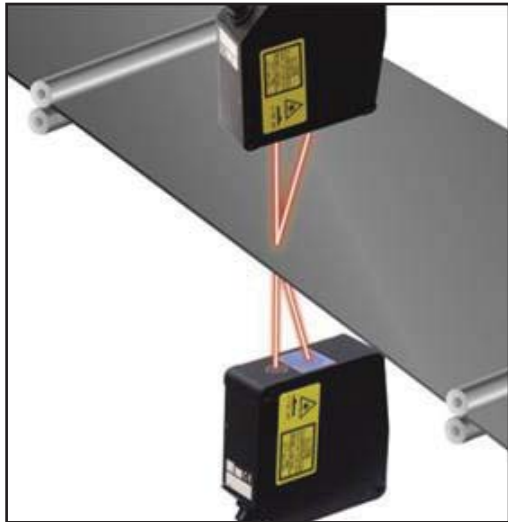
Stable measurement of wafer ingot.



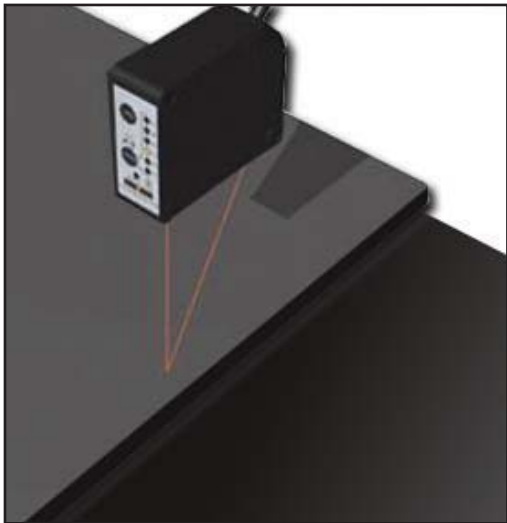
Checking wafer level through a view port.



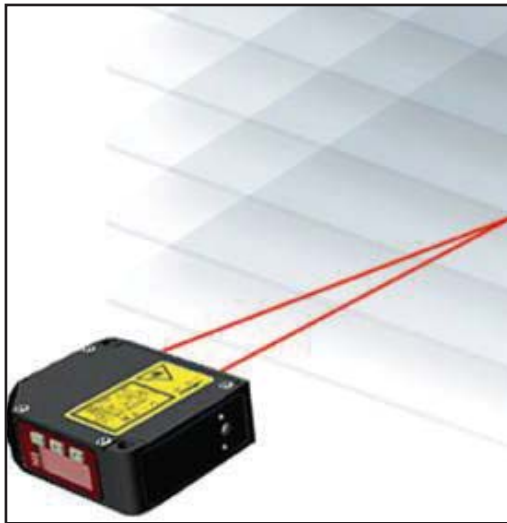
Measuring stacked product height at 2m distance.



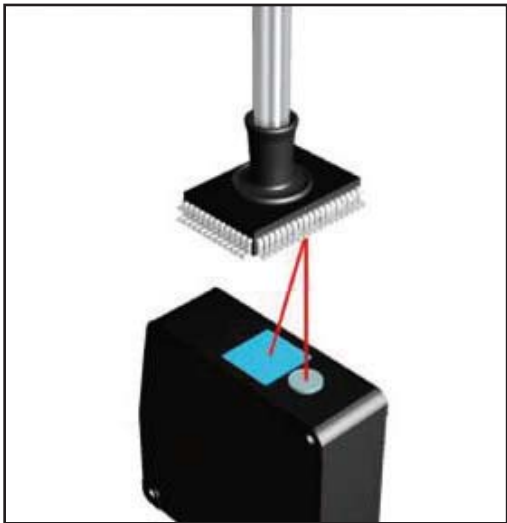
Measurement of product thickness.



Checking for rubber sheet overlap.



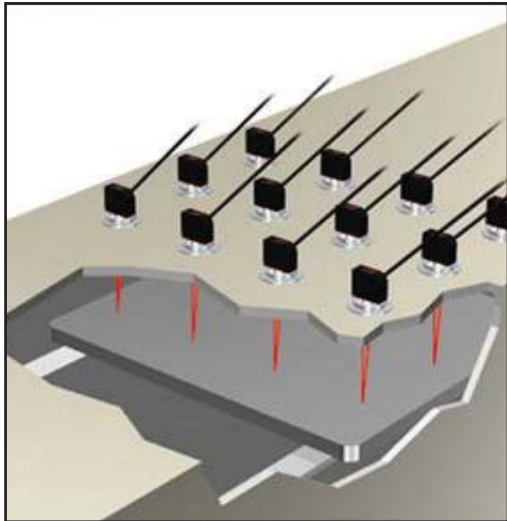
Positioning of quartz glass.



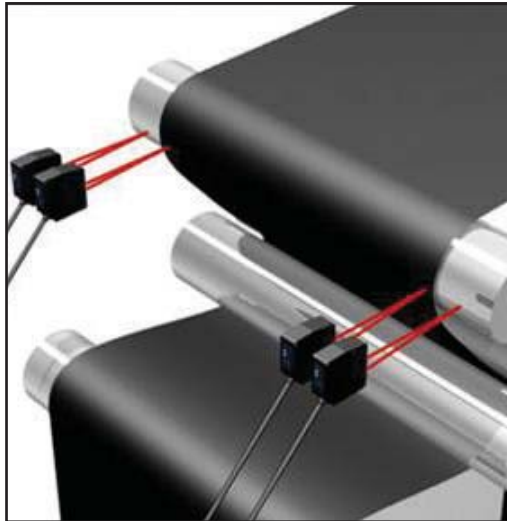
Measuring coplanarity of IC chips.



Confirm product orientation by height.



Checking tray warpage through view port in a heat chamber.



Measurement of product thickness and idler squareness.



Measuring glass thickness.



Measurement of liquid epoxy level.

Industries

- Aerospace
- Automotive
- Food
- Lumber
- Material Handling
- Metal Forming
- Packaging
- Pharmaceutical
- Plastic Injection
- Robotics
- Semiconductor
- Solar
- Tire