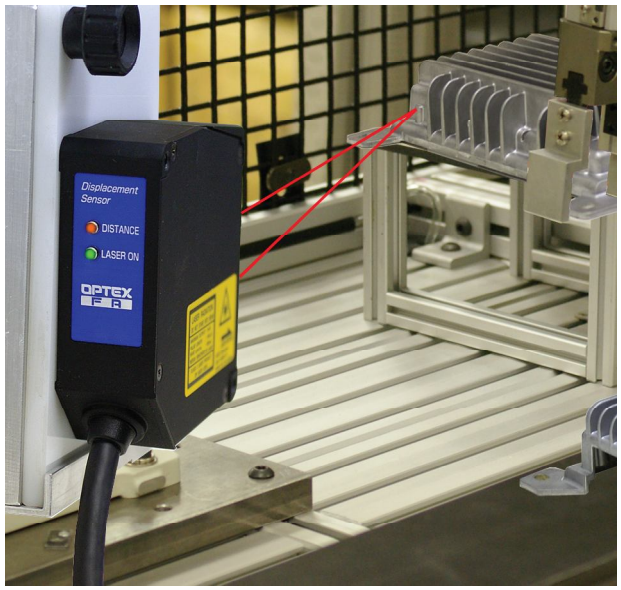
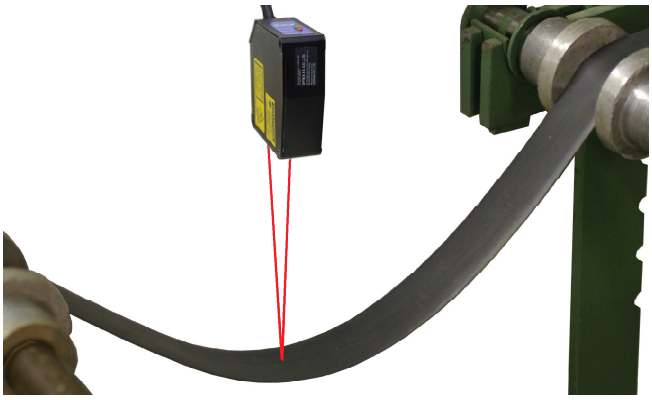
Solutions Update



The CD5- W500 laser verifies that that part is in the proper orientation and position in the robotic workcell. The long range and high resolution output is ideal for detecting small differences in sensing distance.



The CD5 series is controlling the speed of take up reel for an extruded rubber material that is difficult to reliably sense with conventional sensors. The Analog output from the controller is tied into the machine control so that a proper amount of slack is always maintained.

Laser Displacement Measurement

CD5 Series: High performance high stability multi-head laser displacement sensor

- Great for many types of applications including leveling, concentricity, thickness, evenness, uniformity, etc.
- The CD5 series can reliably measure height of many different sensing materials such as tire rubber or machined metal surfaces.
- High Performance laser heads with linearity of +-0.05% full scale. (CD5-W85)
- High Resolution of 0.02µm. (CD5-L25)
- Nine types of sensing heads including wide beam for use when measuring rough surfaces.
- Narrow beam versions for small targets or smooth surfaces.
- The CD5 series includes a long range model. (2 meter +/- 500mm, available January 2009)
- Up to 3 laser heads of any type and distance can be connected to one controller.
- The laser heads can also operate in a stand-alone mode using RS422 communications.

The CD5 Controller features a large LCD display and backlit 10 key panel for easy set-up.

The controller also has built in calculation functions for thickness measurement, shifting, warpage etc.

Please logon to www.optex-ramco.com for more information.

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