

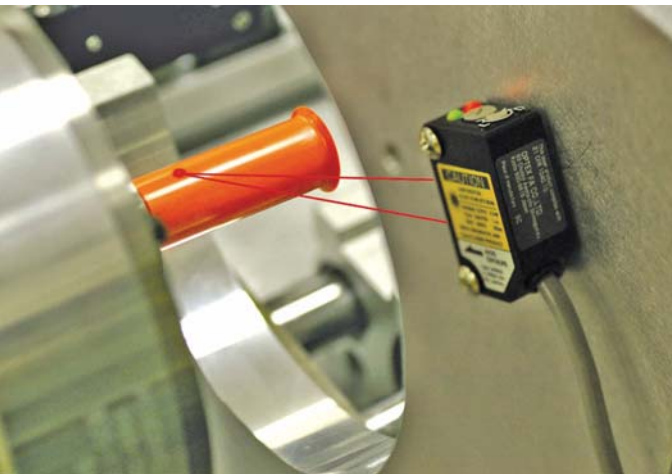
Back Ground Suppression

BGS-Z Series: High performance, low cost, space savings, and excellent shock resistance

- The BGS-Z series sensors are not influenced by background material and changes in target color and texture
- Available with high power LED beam spot that can be seen easily in bright environments
- Also available in laser versions for wider variety of application solutions.
- The BGS-Z series has a very small hysteresis and is capable of sensing the height difference of 1.5mm at a 50mm distance.
- The simple 4 turn clutched adjustment pot is designed for very precise adjustment of the sensing distance
- The BGS-Z series has a compact housing with a 100g shock rating.
- The BGS-Z series is great for applications requiring precise detection of varying colored objects with a background object in close proximity.
- Great low cost solution for many applications in packaging, pharmaceutical, lab automation, automotive, automatic assembly, as well as detection applications for poke yoke processes.



Shiny metal parts at the bottom of a bowl feeder are detected to inform the operator of the shortage of components. The BGS-Z30CN back ground suppression sensor has a 300mm sensing distance and can easily determine the difference between the shiny parts and reflective surface of the parts feeder.



In this application the BGS-ZL10N (Laser type) is used to verify that a plastic part is placed on a mandrel before going through a cutting process. The plastic parts can be several different colors and the mandrel is a shiny metal. The sensitivity pot does not need to be adjusted with product changeover.

