

# SUCCESS STORY

## Transparent bottle detection



AN ISO 9001:2015 Certified Company

### Customer

Pharmaceutical Industry

### Customer Requirements

Detect Clear object like Glass bottles

### Orchid Solution :

Laser displacement sensor

### Product features

- Versatile ,Rugged laser displacement sensor
- Housing rated to IP69K With FDA grade stainless steel
- Reliable detects opaque and transparent objects
- Easy to Use, problem solver
- Bright LED output indicator
- Real time distance feedback
- 18 mm dia cylindrical housing and also side mounting
- Class 1 laser with highly visible laser
- Minimum object detection size 0.5 mm

### Customer benefits

- Easily programmable via display & buttons
- Housing rated to IP69K With FDA grade stainless steel
- It can be work in Wash down area because of IP69K
- Compact design

### Products Look



Learn More

Visit [www.orchidtechnology.in](http://www.orchidtechnology.in) for more application

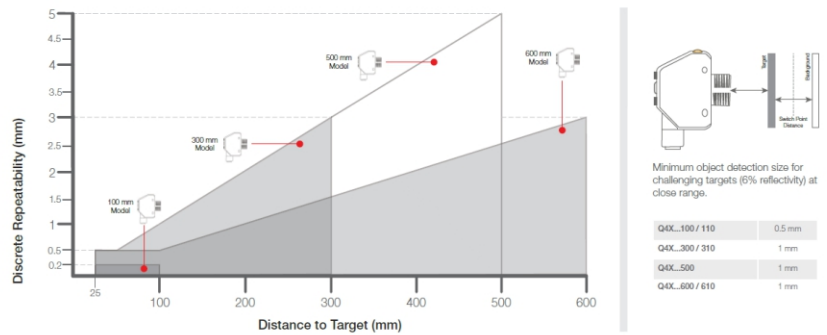
Connect us on [f](#) [t](#) [in](#)

For more videos view our You-tube channel [YouTube](#)

### Pictorial View of application



Distance: Precision Measurement and Detection Regardless of Target



### Application

Detect Clear Glass bottles on a conveyer

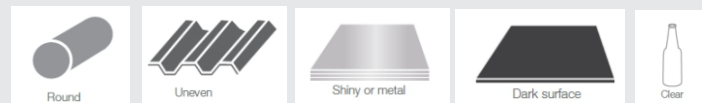
### Challenge

Flow of bottles is continuous on a conveyor and if bottle is not present then production loss, Increases machine downtime and also Variations in bole shape, size, material, color, transparency.

### Solution

Using High precision Laser sensor, it is operating in dual mode, detect any alteration in the distance to and light intensity from the background condition, making the sensor immune to variations in bottle shape, Size, color, clarity, and reflectivity. Laser sensor has integral on/off delay that can send a signal if an accumulation occurs.

### Challenging Targets



Dynamically adjusted laser power increases output for dark targets or objects at steep or uneven angles, while reducing power of shiny targets, providing accurate measurements across a wide range of challenging targets

### Dual mode : Distance with intensity to detect any change



Subject to modifications without prior notice

# ORCHID TECHNOLOGY

Head Office : E-128, Sumel Business Park IV, Nr. GCS Medical college, Arvind mill road, Amdupura, Ahmedabad - 380025

Email : [orchid@orchidtechnology.in](mailto:orchid@orchidtechnology.in) / Web site : [www.orchidtechnology.in](http://www.orchidtechnology.in)

Mob. +91- 9898872377 / 7227082879 / 7284850505

Branch Office -- Vadodara / Palanpur