

# Application Story

## Checking Beverage Cans

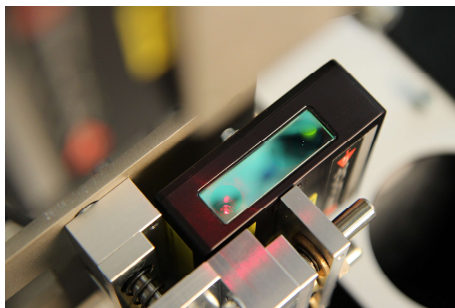
### The Challenge

Beverage Can manufacturers have the challenge of making millions of cans per day to exact specifications. For this, batches of cans must be checked frequently to ensure that measurements are within tolerance and there is no dimensional “drifting” of automation tooling. The gauging equipment must be fast, precise and repeatable.

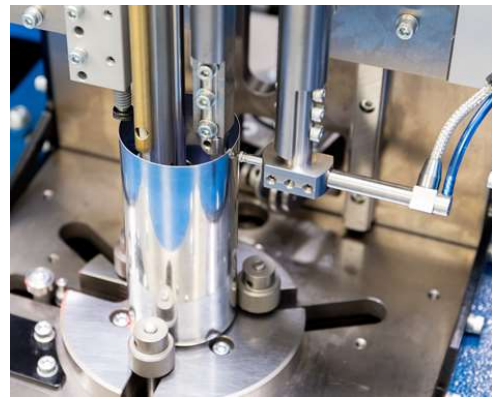
### The Solution

Solartron Metrology offers accurate, reliable sensors for the Packaging industry. Customers such as Versatile Technology in Australia ([www.versatiletechnology.com.au](http://www.versatiletechnology.com.au)) frequently utilize Solartron Probes and Lasers for multiple reasons:

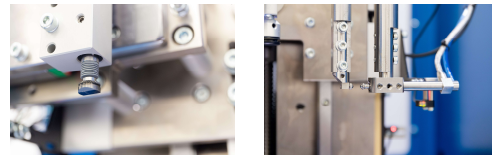
- **High Resolution:** Solartron LVDTs offer resolution up to 0.01 micron, which is excellent for checking thin materials, such as the wall of an aluminum can
- **High Repeatability:** Solartron LVDTs offer repeatability for up to 0.05 microns, meaning frequent changeouts of cans won't mean a loss in precision
- **Specialized Mini Probes:** Solartron Mini Probes and Mini Single Leaf Flexures can fit into spaces and tight gaps that other sensors cannot.
- **Digital Option:** In addition, Solartron's Digital Orbit® network offers a calibrated sensor, and enables multiple, synchronized readings into a PC or PLC
- **Network Lasers or Probes:** With Solartron's Orbit® network, probes or Lasers can easily be set up, even on the same gauge, and have synchronized outputs.
- **Customization:** Specialized tips, cable lengths, and other specific features can be added at our UK factory. With over 50 types of sensors, Solartron can meet the needs for hundreds of applications.



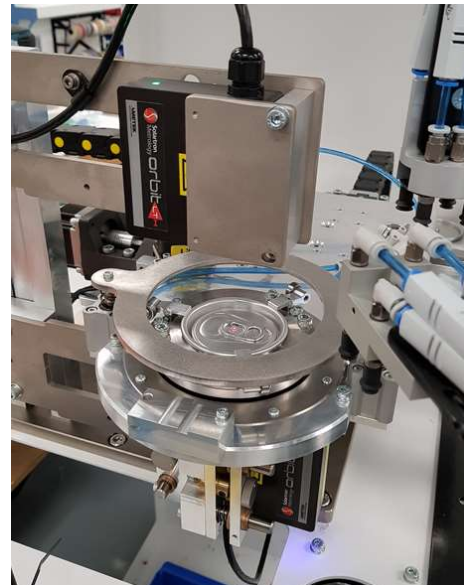
*Orbit LTH Lasers are being used to scan top and bottom dimensions of a can lid. Readings can easily be synchronized with Orbit®*



*One probe is checking height of an aluminum can, while another checks thickness*



*Special carbide tip for checking top of can*



# Digital Probes & Orbit® Network



## Orbit® – The Total Measurement System from Solartron Metrology

The Solartron Orbit® Digital Measurement System, provides a limitless set of measuring system solutions, with numerous different interfaces to computers and PLC's.

