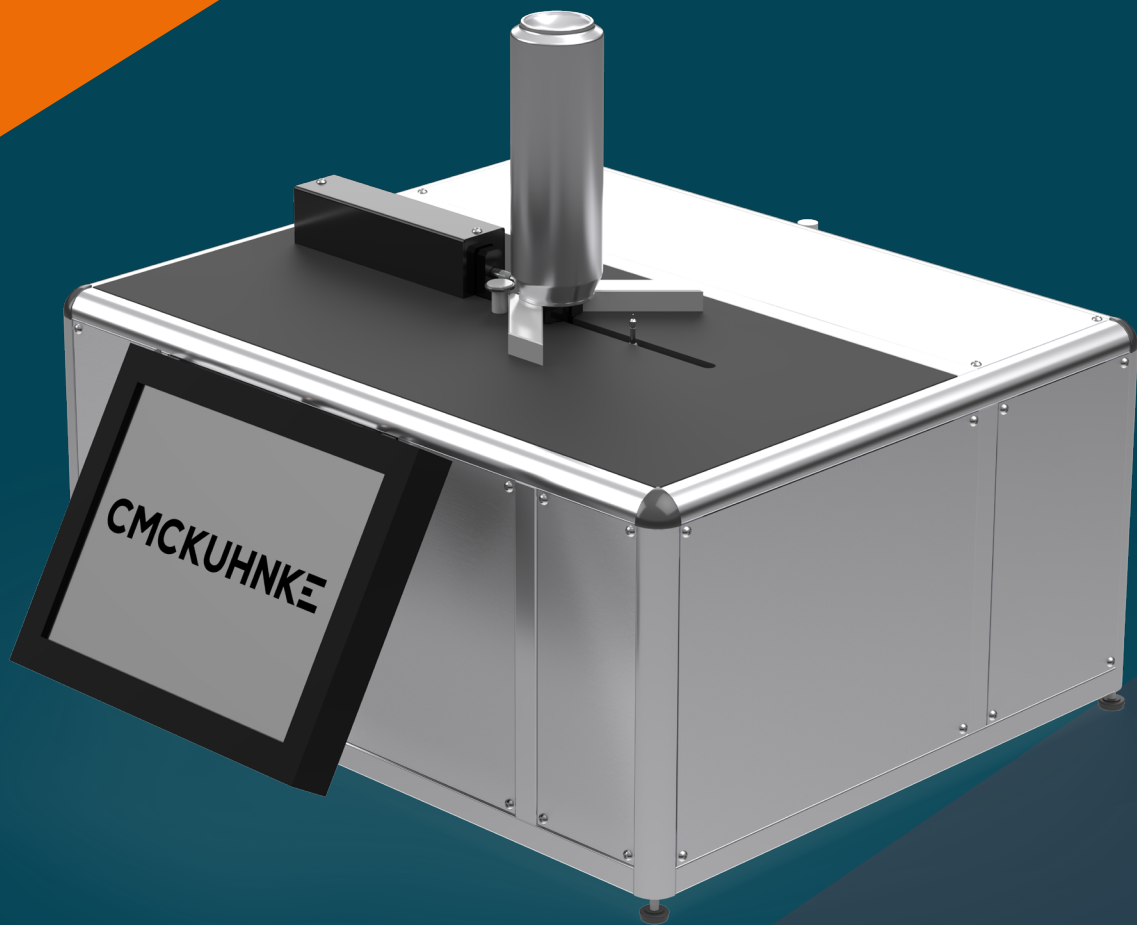


CMCKUHNKE



Combination Seam Gauge

Z310

Combination Seam Gauge

The semi-automatic CMC-KUHNKE Z310 Combination Seam Gauge provides precise seam thickness and countersink depth measurements for both food and beverage cans, including a 360° scan around the can.

The CMC-KUHNKE Z310 Combination Seam Gauge is a high-precision, time-saving device for measuring seam thickness and countersink depth in food and beverage cans. This powerful universal gauge delivers automated, multi-measuring capabilities, enhancing efficiency and accuracy in can inspection processes.

Multi-Measurement Seam Gauge

The Z310 streamlines the process of measuring key parameters in food and beverage can seams:

- **Seam Thickness:** Measures the total width of the entire double seam once formed, including full 360° seam thickness profiling.
- **Countersink Depth:** Measures the countersink depth from the top edge of the seam.

Measurement Feature	Accuracy	R&R
Seam Thickness	+/- 0.010 mm	0.020 mm
Countersink Depth	+/- 0.020 mm	0.040 mm

Technical Specification:

Component Materials	Steel / Aluminum
Component Stage	Seamed Cans
Component Finished Height Range	87 – 210 mm
Component Outer Body Diameter Range	53 - 73 mm (200 - 300)
Component Neck Diameter Range	50 - 63 mm (200 - 209)
Food Can Component Range	153 mm Diameter (603 Sized Cans)
Measurement Units	Inch, mm
Output	RS 232 (USB with adapter)
Electrical Power	100 - 240 V AC 50-60 Hz
Power Consumption	Max. 50 W / 80 VA
Air Supply	Min. 5 bar (73 psi) - Max. 10 bar (145 psi)
Weight	20 kg / 44 lbs
Dimensions	(W) 530 mm x (H) 278 mm x (D) 460 mm

Rotational Seam Gauge Precision

The Z310 Combination Seam Gauge rotates cans effortlessly to ensure precise measurement angles. It can inspect up to 50 points around a can.

Time-Saving Testing Features

Designed to optimize workflow efficiency, the Z310 offers automated can rotation, simultaneous multi-point measurements, and automatic data transfer, reducing manual effort and increasing reliability.

Intuitive Digital Display

Equipped with an easy-to-read touchscreen interface, the Z310 provides clear measurement data, test stage progress, and graphical result visualization.

How does the Combination Seam Gauge work?

- **Seam Thickness:** The Z310 Combination Seam Gauge is very easy to use. Simply take your seamed can, and the thickness of seams are measured using contact probes at defined positions around the can. It can also provide a 360-degree seam thickness scan around the can.
- **Countersink Depth:** A similar process through using a contact probe to measure the countersink from the top edge of the can's seam when sat on the gauge location plate. The countersink probe can measure the lowest part of the countersink and can also measure the depth at a fixed radial position.

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Ordering Information:

Article Number	Article Description
Z310-9.0.1	Combination Seam Gauge

Features & Benefits:

- Complete 360° seam thickness profile
- Suitable for both food and beverage cans
- Time-saving automation for faster inspections
- No change parts required
- Automatic can rotation
- Multiple simultaneous measurements
- Automatic data transfer option
- Fully automatic version available
- Industry-leading R&R performance

Contact Details

web. www.industrialphysics.com

email. info@industrialphysics.com