

Product Overview

2-Piece Canmaking



GEMÜCKUNKE



Products for 2-Piece Canmaking

Front End Gauge

FES-2000 Semi-Automatic Gauge for Trimmed 2-Piece Cans



The Front End Station provides a new alternative for manual front end measurements on trimmed 2-piece cans.

Automated Can Rotation

The exceptionally accurate and repeatable FES-2000 automatically rotates the can with the capability to measure Top Wall Thickness, Mid-Wall Thickness, Trimmed Can Height, and Dome Depth.

Product Highlights:

- Accurately measures in up to 36 positions around the diameter of the can
- Measurements are made automatically with precision encoders
- Can be used with multiple can heights without the need for change parts.
- Produces measurements with extremely high repeatability and reproducibility.
- Hands-Free design replaces individual, manual gauges and eliminates measurement variation as the result of operator interference.
- Exceptionally accurate: Wall Thickness Measurements have a resolution of 0.1 microns.
- Wall Thickness data may be graphed on-screen

Back End Gauge

BES-2000 Semi-Automatic Gauge for 2-Piece Beverage Cans



The BES-2000 is an operator-independent system for the accurate measurement of 2-piece beverage cans.

Gauge quickly adjusts for use with multiple can heights

The Back End Station measures Plug Diameter, Can Height, Flange Width and Flange Diameter. All measurements are taken automatically at the touch of a button, and cans are automatically rotated to measure at multiple positions.

Product Highlights:

- Accurately measures in up to 20 positions around the diameter of the can
- Quick and easy setup provides for up to 20 different measurement configurations.
- Intuitive, easy to use, touch-screen interface
- Option for automatic infeed is available
- Hands-Free design replaces individual, manual gauges and eliminates measurement variation as the result of operator interference.
- Automatic RS232 data output

Beverage Axial Load Tester

AXL-3050 For the Measurement of Axial Load Resistance



The easy-to-use AXL-3050 tester measures the axial load resistance of beverage cans, and provides a force over time diagram.

Max Load: 5000N

Manual Gauges

For Front End and Back End Measurements



Front End:

- Wall Thickness
- Trimmed Can Height
- Dome Depth

Back End:

- Finished Can Height
- Plug Diameter
- Flange Width

Visionary QC™ Software

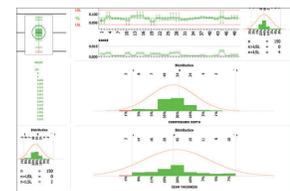
Dynamic Data Collection and Statistical Process Control



Designed specifically for the canning industry, Visionary QC™ is CMC-KUHNKE's most comprehensive data acquisition software to date.

Visionary QC™ provides flexibility for those working at advanced technology levels, yet is simple enough for less experienced technicians.

- Easy Data Entry
- Secure Database
- Intuitive Reports





Dome Reversal Tester

DRT-3000 Series Buckle Tester with Optional Dome Growth



The Dome Reversal Tester is a semi-automated buckle tester designed to determine the exact pressure at which the bottom dome of a can begins to buckle.

4 Measurement Tests Available - Including Dome Growth

The tester uses CMC-KUHNKE's latest Quick-Fill™ Technology. Quick-Fill™ is a unique time saving feature designed to decrease test time while maintaining the accuracy of the test. Testers with Quick-Fill™ can rapidly increase the test pressure from atmosphere to a preset

amount. Once at the starting pressure the tester automatically reduces the fill rate in order to maximize accuracy.

The Dome Reversal Tester is available in 4 measurement modes, all available with graphical data representation:

- Buckle Test
- Buckle Test and Dome Growth with fixed pressure levels
- Flex Mode: Buckle Test and Dome Growth Test in 0.05 bar increments - Ideal for R&D Laboratories
- Dome Growth Permanent Test - Dome Growth Test only - with fixed pressure levels.
- Automatic Data Output
- Graph Displayed with Pressure over Time

Product Highlights:

- Robust Design withstands rigors of plant environment
- Graphical representation of data
- Multiple Tests in one compact unit
- Also available for 2-piece food cans

Digital Film Weight Gauge
DFW-3000



DFW-3000 Accessories



Can Probe

Fully-Automatic Enamel Rater

MARS-ENR Fully-Automatic In-Line Enamel Rater



- World's fastest automated enamel rater at 4cpm
- Welded stainless steel frame designed for maximum corrosion resistance
- High resolution measurements displayed in 0.001mA
- No changeover from 8oz to 16oz
- Customized measurement events - duration, range, contact control, current limits and fill level
- Installed In-line, or stand-alone
- Test data automatically transferred via RS232, or Ethernet

This fully-automatic, online can sampling and reporting system integrates directly with the production line to receive cans and testing instructions without any operator intervention - a substantial labor savings.

Digital Enamel Rater for Cans and Ends
ENR-2000

ENR-2000 Accessories



End Tester



Can Tester

The manual digital Enamel Rater is used to check the interior lacquer coating on cans and ends. A 90 Ohm calibrated test resistor may be provided for calibration, as well as enamel testing fixtures for 3-Piece Cans, 2-Piece Cans, Aerosol Cans, Can Ends, Side Stripes, Bottle Caps, and even Tubes.

16 Station Enamel Rater
ENR-16

8 or 16 Station Enamel Rater
Accessory for Ends



This enamel rater connects to a variety of attachments allowing for rapid testing of up to 16 cans, can ends, crowns, or twist-off caps.

Please visit
CMC-KUHNKE.com
for more information



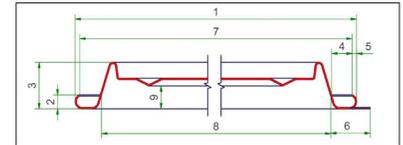
Semi-Automatic End Measurement Station

EMS-3200 Semi-Automatic Multiple Diameter End Measurement



The EMS-Series End Measurement Station provides automatic measurements for every characteristic of the can-end, substantially increasing time savings over manual gauges. Featuring automatic end rotation, the new End Measurement Station completely eliminates operator error, maximizing accuracy.

At the touch of a button, the EMS-3200 automatically measures Curl Diameter (1), Curl Height (2), Countersink Height (3), Curl Opening (4), Curl Width (5), Curl Length (6), Inside Curl Diameter (7), Chuck Fit (8), and the option of First Bead Height (9) up to 20 times around the Can End.



Product Highlights:

- Increased accuracy with completely operator independent measurement
- Automatic rotation of can end - allows for true calculation of end characteristics
- Customizable test types including number of measurements per end and characteristics to be measured
- Pictorial representation of end measurements shown on screen

Fully-Automatic Shell Measurement Station

MARS-EMS-1050 Fully-Automatic Shell Measurement for Beverage End Making

Measure Automatically - Increase Accuracy - Reduce Cost!

The MARS-EMS-1050 automatically measures Countersink Depth, Curl Diameter, Curl Height, Curl Opening, and Panel Depth for quality Beverage Endmaking. The Automatic Shell Measurement Station is capable of pulling up to 80 beverage shells from a feeder and automatically measures all characteristics. Pneumatically and electronically controlled sensors automatically measure 10 times per end.



Fully-Automatic Multiple Diameter End Measurement Gauge
MARS-DMA



Pop and Tear Tester for Beverage Ends
PAT-1000



Pop and Tear Tester for Easy Open Ends
PAT-2100



Buckle Tester for Loose Ends
BCL-1000L



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