

AUTO-XTS

Fully-automatic non-destructive double seam inspection system

The all-new AUTO-XTS is a fully-automated, on-line or stand-alone measurement system that provides non-destructive, complete double seam inspection for beverage fillers. The fully-automated AUTO-XTS combines the internal X-ray seam measurements of the SEAMscan XTS with the Combination SEAM Gauge for external measurements into one robust unit, providing faster inspection results, and reduced labor costs.

When connected directly to the production line, cans are automatically delivered to the AUTO-XTS in-feed conveyor. Cans may be held for additional testing or sent back into production. Alternatively, cans may be manually placed onto the same conveyor in order by head number. XTS virtual seam teardown technology provides highly accurate double seam inspection data, while dramatically reducing can seam inspection costs.

Measures: Double Seam Inspection (Seam Thickness, Seam Height, Body Hook, Cover Hook, Overlap, Seam Gap, % Body Hook Butting) and Wrinkle Rating (% Tightness)

Benefits

- Faster and safer
- No product spoilage
- Proven, patented
- 360° tightness scan
- Operator independent
- World class R&R
- Data is sent automatically to Visionary QC™ or other data acquisition and SPC reporting software

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Features

- A robot handling system moves a complete range of filled beverage cans through the measurement stations.
 - Station #1: The can is automatically carried to Station #1 for measurement of Countersink Depth and Seam Thickness using CMC-KUHNKE's TSG Gauge series. Measurements are made in up to 36 locations around the can.
 - Station #2: Patented XTS technology uses safe, low-power X-ray imaging to measure internal parameters of the seam, including tightness. The content is not affected by the X-ray.
 - Station #3: Measuring the height of the can.
 - Out-Feed: Once the double seam inspection has been completed, the cans are placed in order by head number either onto a conveyor for online systems, or into a carrying basket for manually loaded systems.
- Automatic wrinkle identification and percentage calculation
- Automatic dimple detection
- Automatic tab detection
- Excellent X-Ray-shielding (TÜV Rheinland tested to < 0.1 mSv per year)
- Easy to use calibration/verification mode (with calibration piece)
- **Includes Visionary QC™ SPC Software**
 - Easy-to-use Statistical Process Control for quick analysis of can inspection data
 - Flexible, secure database
 - Intuitive inspection reports may be shared and exported
 - Track trends and statistics with SPC Graphs

Technical Details

Can Specifications:	1 seam diameter, varying heights and body diameter
Air Pressure Required:	6-8 bar (90-116 psi), filtered dry air, max flow 35 SCFM
Electrical Required:	100-240VAC 50-60Hz, average power consumption 600W
Resolution:	0.01 mm (0.0004 in)
Dimensions:	260 x 200 x 120 cm (102 x 79 x 48 in)
Weight:	480 kg (1058 lbs)
Crated Dimensions:	300 x 180 x 150 cm (118 x 71 x 60 in)
Crated Weight:	600 kg (1323 lbs)
Measurement Units:	mm, in
Output Interface:	RS232
Languages:	English, Spanish, Chinese, German
Characteristics:	Seam Thickness, Countersink Depth, Seam Height, Body Hook, Cover Hook, Overlap, Seam Gap, % Tightness, % Primary Sealing Area, Wrinkle Amplitude, Can Height, 360° scan for tightness
Connectivity Required:	Connection to LAN (RJ45), 1 fixed IP Address (for external database access)

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