



SpecMetrix® ACS System

ACS Can Coating Thickness and Film Weight Measurement System

Our advanced container coating thickness measurement systems provide non-contact coating thickness and film weight measurements for all internal and exterior can coatings.

Brought to you by SpecMetrix, our specialist coating brand, dedicated to innovative coating thickness measurement tools.

The SpecMetrix® ACS Systems are our most advanced and precise container coating thickness and film weight measurement system, specifically for metal packaging containers. They have broad application capabilities for coated metal can manufacturers and the coating suppliers that support them. In particular, the ACS line is ideal for measuring the interior and exterior coatings of cans.

High precision, instant container coating thickness measurements




The SpecMetrix® ACS Systems are highly accurate and provide instant measurement and mapping capabilities, allowing users to improve coating process control by streamlining plant processes, optimize spray and roller set-ups, changeover and inspection times, while reducing coating consumption.

All SpecMetrix ACS Systems provide real-time measurements and mapping of single or dual coatings, over-varnish, inside spray, rim coats, UV hardcoat, base coats, wash coat and other container coatings.

Configure to your needs:

- Single cans
- Internal and external applied coatings
- Coatings over any metal substrate (aluminum, steel, tinplate; and over any printed surface, print or base color, including black)
- Flexible and scalable to meet your needs
- Automation configurations and upgrades possible to suit plant needs (ACS-T34 or Torus Z340)

Technical Specification:

Measurement Range:	0.3 to 250 microns (coating thickness)
Accuracy:	+/-1% of coating thickness (nominal)
System Speed:	1-2 minute per container based upon plant selected measurement parameters
Measurement Speed:	Up to 50 per second
Temperature Range:	0 to 55 °C
Container Size Range:	Up to 3.5 in (8.5 cm) diameter and up to 9.5 in (24 cm) height
Output Metrics:	Microns, mils, mg/in ² , mg/4in ² , g/m ² , mg/cm ² , lbs/ream
Operating System:	Windows® platform
Manufactured:	Made in USA
Certification:	  

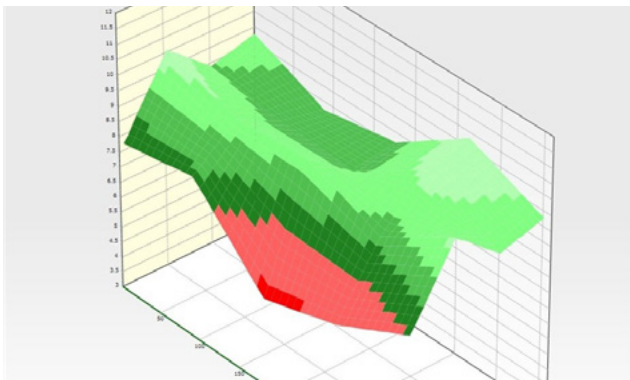
Coating measurements for cans

The SpecMetrix® ACS Systems are configured to meet your specific can plant needs. From flexible single can models and plant-floor ready systems, we offer a semi-automated non-contact solution that delivers highly precise film weight data that supports your intended process control, QA or claims review uses.

The ACS-1 System can measure the coatings of single cans, using either a 90° or flexible angle probe, and is well suited for container QA, R&D and coating supplier use.



▲ SpecMetrix ACS-1 Can coating thickness Film Weight Measurement System.



▲ 2D and 3D topographical color-coded contour maps for visual analysis of film weight distribution.

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.

Features & benefits:

- **Flexible and Scalable**

Modular system designs can be configured for use with multiple automation, scanning and process control tools.

- **Non-Contact**

Measurements are taken with no contact to coatings or substrate, preserving sample and part integrity.

- **Absolute Thickness Measurement**

Ultra-precise, real-time measurement of coating thickness and film weight mapping without need to calibrate for individual coating types.

- **Substrate Independent**

Measures wet or dry coatings over aluminum, steel, tinplate; and over any printed surface, print or base color, including black.

- **Broad Range of Use**

Real-time measurement and mapping of single or dual coatings, over-varnish, inside spray, rim coats, UV hardcoats, base coats, wash coat and other container coatings.

- **Non-Hazardous**

Incorporates exclusive non-radioactive and non-invasive ROI and EXR optical technologies.

- **Environmentally Friendly**

Non-destructive testing method helps reduces HFI, scrap and spoilage costs.

- **Powerful SpecMetrix Software**

User-friendly software package automatically stores all data to Excel or interfaces to plant networks for SPC analysis during or after production runs.

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