



SpecMetrix® DFTQA System

Dry Film Thickness QA Coating Measurement Systems

The SpecMetrix DFT QA Measurement System delivers a new standard for non-contact, non-destructive and real-time absolute thickness measurement data for transparent and pigmented primer and top coat samples.

Designed to streamline coil coating QA processes, the SpecMetrix DFTQA System uses exclusive technologies to improve coating process and quality control, while reducing costs in the QA lab or R&D center.



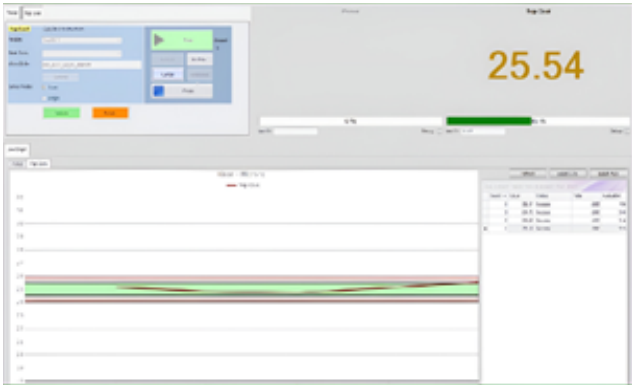
▲ Easy to use SpecMetrix system software for faster DFT results.

Features & benefits:

- **Non-Contact and Non-Destructive**
Measurements are taken with no harm to coatings or substrate, preserving sample integrity.
- **Absolute Thickness Measurement**
Provides precise coating layer thickness and DFT measurements over sample area instead of isolated measurement spots that are not representative of the coating distribution. No recalibration is necessary for different colors or substrates.
- **Substrate Independent**
Measures coatings over metal substrates including aluminum, steel, tinplate, cold-rolled, Galvalume; and even coatings over any paint color.
- **Broad Range of Use**
Real-time measurement applied primers, base coats, top coats, lacquers, back coats, laminates, clear coats and other coil coatings.
- **Superior Gauge R&R**
Measurement accuracy is independent of operator skill or operator error, ensuring system repeatability and reproducibility.
- **Environmentally Friendly**
Non-destructive testing method helps reduce scrap, rework labor and energy costs.
- **Dual Capabilities**
Single system configuration includes dual optical packages for faster primer and top coat measurement.
- **Powerful SpecMetrix Software**
User-friendly software package stores all data to Excel or interfaces to plant networks for SPC analysis.



- ▲ Easy to use SpecMetrix system software for faster DFT results and dedicated dual probe design for primer and top coat.



- ▲ Able to easily measure the broadest range of coil top coats including polyester, epoxy, textured, metalized and PVDF.

Technical Specification:

Measurement Range: 0.7 to 350 microns*
(clear/transparent coatings)

0.7 to 75 microns*
(pigmented/non-transparent Coatings)

*Dependent on selected optical packages

Accuracy: +/-1% of coating thickness
(nominal)

Measurement Speed: Up to 100 per second

Temperature Range: 0 to 50 °C

Output Metrics: microns, s mils, g/m²

Operating System: Windows® platform

Manufactured: Made in USA

Certifications: CE SPS UL

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.

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