

SpecMetrix® Coating Thickness Station (FWS)

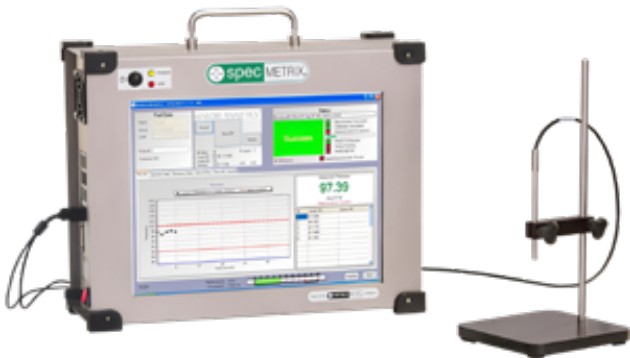
Coating Thickness Station (FWS)

More accurate film weight and coating thickness measurement data to streamline quality control testing and improve process control.

The SpecMetrix® Coating Thickness Station offers a higher standard for non-contact, non-destructive, real-time offline thickness measurement testing for coated aluminum, copper, steel and tinplate flat sheets or samples.

Highly accurate and fast, the FWS provides thickness testing through both single-point and scanning modes.

The SpecMetrix® FWS is designed to streamline quality control testing and improve process control for film weight and coating thickness. It is one of our preferred laboratory film thickness measurement systems due to its unmatched ability to identify and quantify absolute coating thickness with nanometric accuracy on samples and larger coated sheets.

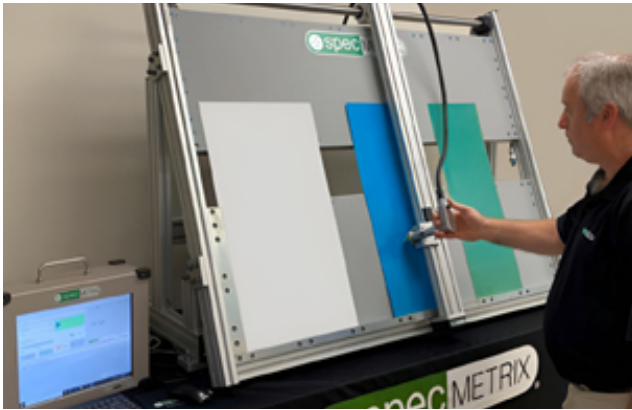


Features & benefits:

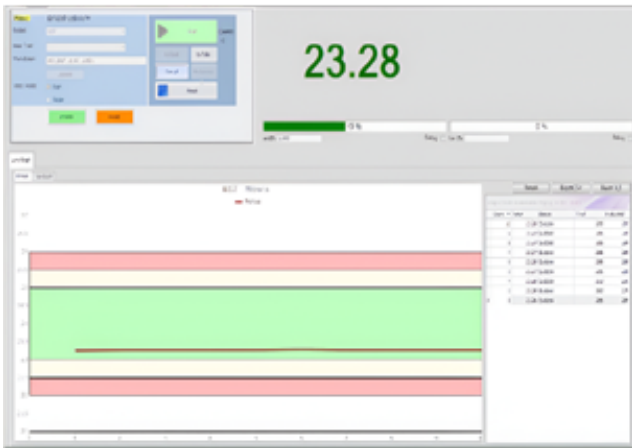
- **Flexible and Fast**
Modular design with instant measurement capability from QA lab to production floor.
- **Non-Contact**
Measurements are taken with no contact to coatings or substrate, preserving sample and part integrity.
- **Absolute Thickness Measurement**
Ultra-precise, real-time measurement of coating or layer thickness accelerates sample testing, data collection and QA analysis.
- **Substrate Independent**
Measurement ready for wet or dry samples of clear, colored or pigmented substrates.
- **Broad Range of Use**
Real-time measurement for single or dual coatings or discrete layers down to sub-micron levels.
- **Non-Hazardous**
Incorporates exclusive non-radioactive and non-invasive ROI and EXR optical technologies.
- **Environmentally Friendly**
Non-destructive testing method helps reduce scrap, rework labor and energy costs.
- **Powerful SpecMetrix Software**
User-friendly software package automatically stores all data to Excel or plant networks.

Options:

- **Enhanced Lab System** for periodic in-line use
- **In-line systems** for continuous measurement
- **X-Y Accessory** for offline measurements of dry sheet or coil strip samples



▲ The SpecMetrix Coating Thickness Station (FWS) provides high-precision, non-contact thickness testing in both single-point and scanning modes.



▲ In scan mode, measurements are taken for a given amount of time. The end result is the average of the measurements taken.

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.

Technical Specification:

Measurement Range: 0.3 to 250 microns
(coating thickness)

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

*Accuracy numbers provided are based on accuracy verification using NIST traceable thickness standards over the entire measurement range of 0.2 to 250 microns

Measurement Speed: Up to 100 per second

Temperature Range: 0 to 45 °C

Output Metrics: Microns, mils, mg/in², mg/4in², g/m², mg/cm², lbs/ream

Operating System: Windows® platform

Manufactured: Made in USA

Certifications: CE, ISO 9001, UL

Contact Details

web. www.industrialphysics.com

email. info@industrialphysics.com