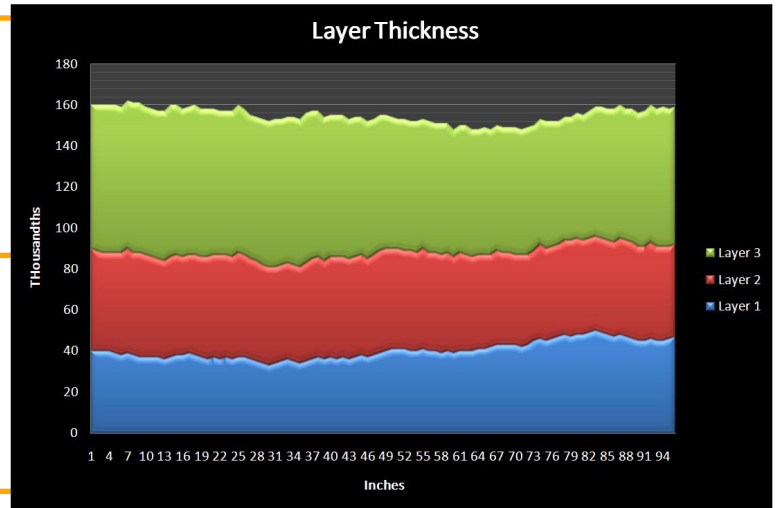


### Coating Thickness Measurement Thin Film Thickness Measurement

The CFT Measurement Gauge is an integrated member of the **FACTS** Total Profile Control platform. The CFT Gauge provides True Thickness measurement of coatings, individual layers and total film thickness.



### Benefits & Payback

- ▶ Non-nuclear measurement technology
- ▶ Lower cost of lifetime ownership
- ▶ Single Side Measurement
- ▶ On-line, non-contact and non-destructive
- ▶ No calibration required

### Profile Scanning Systems

- Provides measurement of cross direction profile and machine direction thickness
- Available for web widths up to 120 inches
- Optional Auto Profile Control available
- Provided complete with the **FACTS** Total Profile Control console, measurement sensor, frame controller, and single side scanning frame

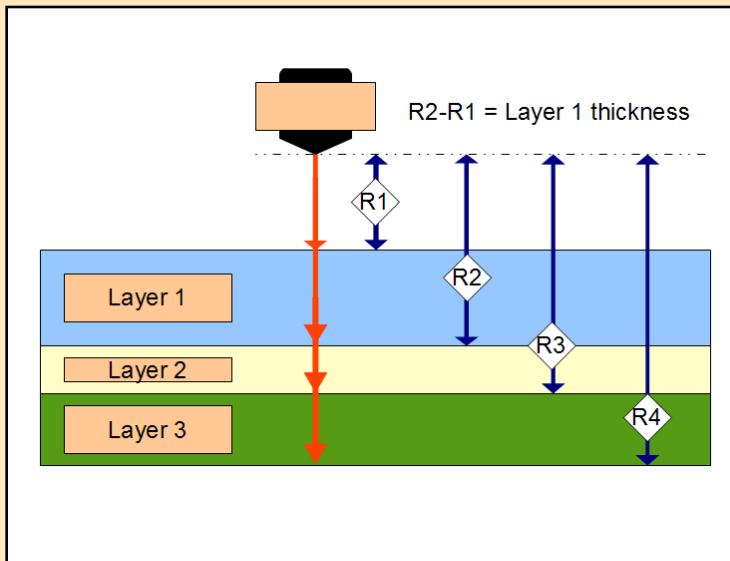
### Fixed Point Systems

- Provides measurement of machine direction thickness
- Support for multiple sensors across a web and/or along a process line
- Optional sensor indexing system available
- Provided complete with the **FACTS** Total Profile Control console measurement sensors and sensor mount

# CFT GAUGE FOR COATING

# AND MULTI-LAYER FILM THICKNESS MEASUREMENT

## How the Measurement Gauge Works



The CFT gauge is an optical measurement system that operates on the principle of interferometry and is specifically designed to evaluate the interaction of light reflected from materials with different indices of refraction. An optical probe placed over the target material is used to supply a high intensity infrared light source onto and through the material. As the light transitions into a material with a different index of refraction, some of the light is reflected back. The reflected light is passed through the same probe assembly to a control module where its characteristics are analyzed and ultimately the thickness of each layer and the total thickness are precisely calculated.

## Applications

Suitable for any application where the product to be measured allows the infrared light source to propagate through and reflect back. Materials can be transparent, translucent or colored.

Cast Film	Blown Film	Mono-Layer
Multi-Layer	Coated Substrates	Colors

## Use with the **FACTS** TPC 5001 Total Profile Control System

- High-Res display for Scan profiles + fixed point data
- Menu-driven, touch screen for command inputs
- Select profile & trend plots from 40 various displays
- Machine direction control of product thickness
- Single/multi-scan average profiles for each gauge
- Recipe setup



see datasheet  
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**FACTS** Inc. is the leader in process control technology for the polymer market. In fact, we wrote the book on extrusion control—literally. For the Society of Plastics Engineers, **FACTS** penned the chapter on Extrusion Control in the “Guide on Extrusion Technology & Troubleshooting.”

**FACTS** Inc. routinely provides new and existing process lines with complete electronic control systems and integrated HMI. Controls provided include, but are not limited to: temperature, speed and pressure control; sequence control; drive and heater systems; profile measurement and control.

**FACTS** Inc. offers you experience at your fingertips with 24/7 support via Internet or modem.

**FACTS** Inc. provides the tools to control your bottom line. Contact us today.