

The non-nuclear solution

The **FACTS** THz Gauge is THE non-nuclear solution for measurement of clear and opaque sheet, film, and web. The THz Gauge Single Side Scanner provides a rugged, high speed scanning platform and is designed for precise and repeatable performance with an extended life of operation, even in harsh environments.

TeraHertz Measurement Technology

Features

- ▶ **True Thickness Measurement**
- ▶ Measures clear and opaque products
- ▶ Overall Thickness Measurement
- ▶ Individual layer thickness measurement
- ▶ Scanning Profile Measurement
- ▶ Non-Nuclear measurement technology
- ▶ Safe non-ionizing energy
- ▶ Small footprint
- ▶ Complete system includes sensor assembly, console, frame controller, and single side scanning frame
- ▶ Optional auto profile control

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

- High-Res display for Scan profiles + fixed point data
- Menu-driven touch screen
- Selectable profile - displays & trend plots
- Machine direction control of product thickness
- Single/multi-scan average profiles
- Recipe system

FACTS Capabilities

FACTS is a provider of complete turn key automation systems for continuous processes. Our capabilities include Total Line Control, heater and drive panels, data collection, analysis & reporting tools, profile control systems, new scanning systems and scanner retrofits.

THz Gauge for Sheet & Film Thickness Measurement

Scanner Design and Construction

- Single side - measurement head and scanner are located on one side of product
- Belt driven robust linear actuator
- Sealed, non-drip design
- Widths up to 12 feet available
- Closed loop servo control with encoder feedback
- Scan speed - recipe based
- Proximity sensors for travel limits and positioning
- Idler rolls - optional



Applications

Suitable for the measurement of clear or opaque sheet, web, and film products

- Calendered web
- Foamed products
- Multi-layer: measure the thickness of individual layers
- Materials with variable amounts of filler or are heavily pigmented
- Converting applications
- Basis weight

FACTS 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 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 offers you experience at your fingertips with 24/7 support.

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