



WEB MEASUREMENT EXPERT

AIS GAUGING was originally formed under the name Industrial Maintenance Engineering in 1997, as one of the original American founder and patent holders of web measurement solutions.

Through technical expertise comes from deep practical experience and invaluable knowledge, continued investment in development, strategic and open architecture solutions, AIS GAUGING is now one of the premier provider in in-line non-contact Web Measurement and auto process control globally for most flat material production applications :

● PLASTICS EXTRUSION

- Extruded sheet film
- Biaxially orientated (Biax)
- Cast films
- Multi barrier films

● NYLON, EVA, EVOH

● COATING & LAMINATIONS

- 3-Layers
- 5-Layers

● NON-WOVEN & TEXTILES

● CALENDARING : PVC, RUBBER

● PAPER MILLS

- Kraft paper
- Cardboard & Paperboard
- Special paper

● METAL MILLS

- Rolling mills
- Coating

● GLASS

● FOAM

● BUILDING PRODUCTS

● ENERGY



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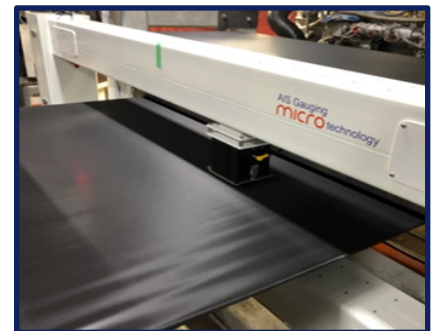
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AIS GAUGING **Solutions For EXTRUSION INDUSTRIES**

Extrusion is a versatile manufacturing process that involves forcing raw material through an extruder die to produce a wide range of products across multiple industries. Understanding of these process is absolutely necessary to deliver the proper measurement and control.

Since 1997 AIS GAUGING has been directly involved with Web Measurement Gauge and even the development of the most complex control systems for extrusion. AIS Provides one of the fastest and most stable complete close loop auto profile control system (APC) in extrusion.



Plastic Extrusion Applications include

- Plastics Sheets (PP, PET, PC, EVA)
- Cast Film (CPP, CPE, Stretch)
- Biax Film (BOPP, BOPET)
- Specialty film , Multi Barrier Film, Blown film
- Foam
- Non-woven & Textile (Spunlace, Spunbond)
- Extrusion Coating & Lamination (3-Layers, 5-Layers)
(Paper, Foil, PP, PET, Metallized Film, EVA, NYLON)
- Coating (Wet & Dry liquid solution coating)
- PVC Calendaring
- Rubber calendaring

Made in the USA, and Supported Worldwide



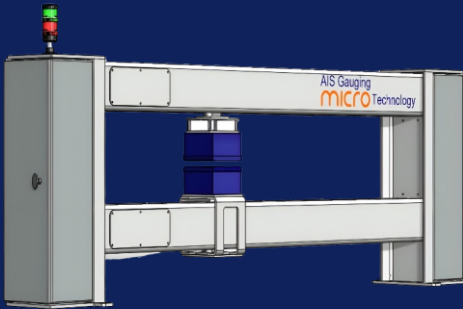
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MEASUREMENT & CONTROL Solutions Provider Globally for the measurement :

- Basis weight
- Multi Barrier Layer Film
- Coating Weight
- Moisture
- ASH

ARRAY OF SCANNER FRAMES

- Industrial O-frame
- Industrial C-frame
- Industrial I-frame
- Mono beams, Multi sensors



SENSOR TECHNOLOGY

- Beta : Kr85 , Sr90
 - Low Energy
 - High Energy
- X-ray : 5 Kv – 120 Kv
 - Transmission
 - Backscatter
 - Fluorescence
 - Dual Xray
- Gamma : AM241
- Near Infrared
- Terahertz
- Laser
- Capacitance
- Eddy Current
- Caliper
- Ultrasonic
- Microwave

Process Control Strategics

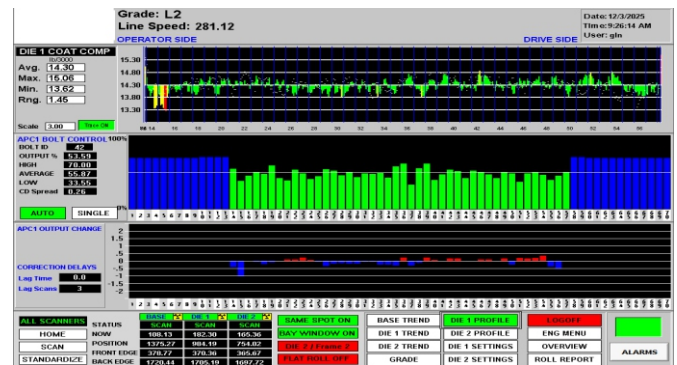
AIS Gauging provides one of the fastest and most stable complete close loop auto profile control system (APC) in extrusion, (AGC) in calendaring and Non-woven application.

CD Control

- Die Control
 - Thermal Power mode
 - Thermal Temperature mode
 - Stepper Motors /Actuators PRODIGI DIE
 - Cascade control
- Gap Control

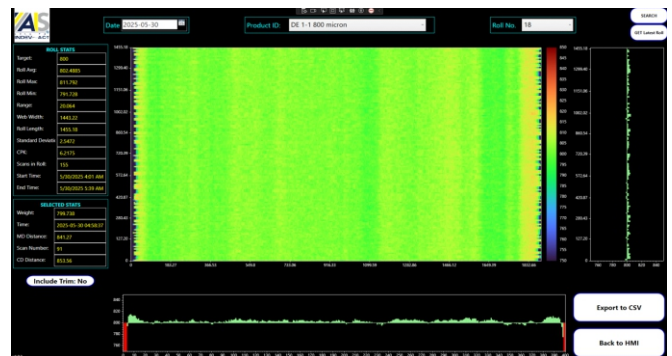
MD Control

- Line Speed
- Screw Speed
- Extruder Speed
- Melt Pump



Key Features


- Non-proprietary off-the-shelf components
- No forced obsolescence
- Easy integration & IO exchanges
- Same –spot measurements
- Complete solution for each different application
- Customized Approach to Every System
- 24/7 online Support
- Upgrades to Competitor systems




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ASIA PACIFIC

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