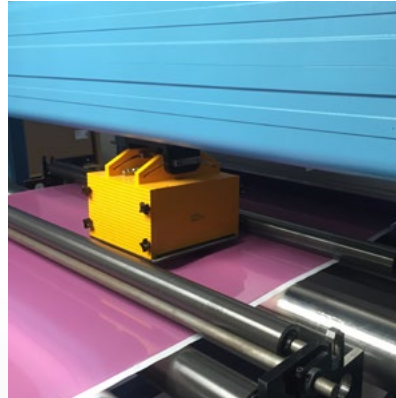
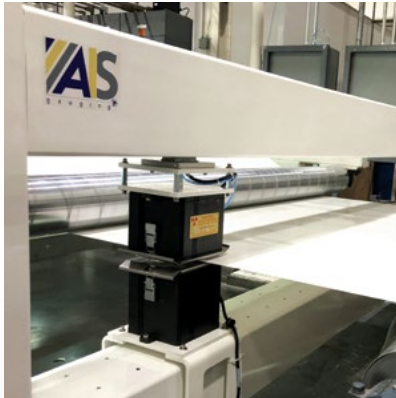


A World of In-Line Gauging Solutions





Developing the Factories of the Future

With new advancements in real time data exchange coupled with factory floor automation, the factory of the future has moved toward becoming a reality. With this new revolution beginning, in-line continuous measurement with real time feedback is essential. Integrated with the appropriate automation control and data feedback to factory SCADA and Network systems, on-demand production with mass customization can evolve. AIS is committed to helping companies determine and implement the right measurement systems with information feedback, transforming this futuristic concept into today's reality.



Accurate Measurement & Control Can Pay

Our in-line gauging systems take into account each individual variable for your industry. Accurate measurements, on average, have yielded our customers:

- ✓ 20%+ In Material Savings
- ✓ 50%+ in Quality Consistency
- ✓ 40%+ Faster Start-ups
- ✓ Increased Throughput
- ✓ Minimized Rework
- ✓ Optimized Labor
- ✓ Reduced Lab Requirements

Sensor Technologies

AIS produces a variety of different sensors and measurement capabilities based upon the needs of your manufacturing lines. These sensors are designed for multiple industries along with complete feedback for control, reporting and process analysis.

The latest in Sensor Technologies including:

► Terahertz

Ideal for the coatings, building product and multi-layer film industry

► XRay

Excellent measurement accuracy for consistent compositions

► Beta

Most forgiving sensor for basis weight across all industries

► Gamma

Powerful with large gap measurement capability

► Laser

Well proven for absolute thickness measurement

► Transmission NIR

Quick ROI for wet coating measurement

► Reflectance IR

The best in surface moisture measurement

► Microwave

Solid solution for compositional moisture measurement

► Caliper

Direct thickness measurement with the contact pressure of a feather

► Shadow

Structured light provides extremely accurate and easy to use data for sheet and film

► Interferometers

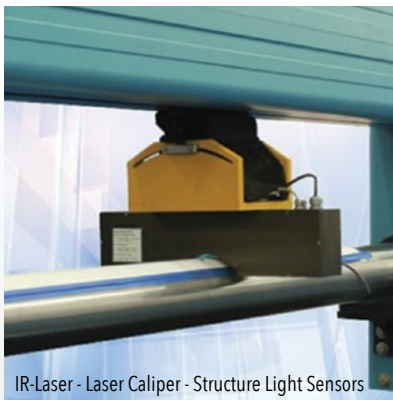
When a micron accuracy is required

► XRay Profile

When 100% edge to edge measurement and defect detection is required



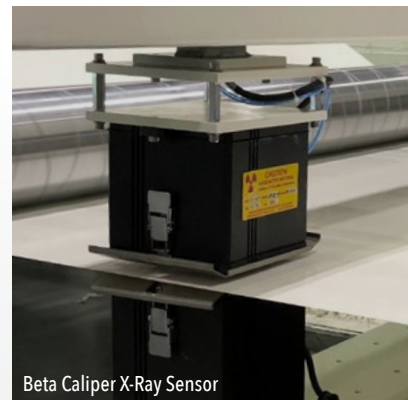
Red Knight Sensor



IR-Laser - Laser Caliper - Structure Light Sensors



Interferometer - Porosity - Terahertz Sensors



Beta Caliper X-Ray Sensor



Frame Technologies

AIS produces several styles of measurement frames designed for continuous operation in the most difficult manufacturing environments. They are offered in multiple configurations including O-Frame, C-Frame, Mono-beam, Fixed Frame, Combination Frames, Class 1 Division 1, and custom designs to meet any requirement. From tight locations to some of the most industrial applications, AIS Gauging Systems frames can meet nearly any customer needs.

The Latest in Frames Including:

- ▶ Industrial Frames
- ▶ Mini Frames
- ▶ C1D1 Frames
- ▶ Profile Frames
- ▶ Air Purged
- ▶ Custom Frames
- ▶ Combination Frames
- ▶ High Temperature Frames
- ▶ End Bell Controls
- ▶ Gasketed Sealing



Mono-Beam Frames for Reflectance



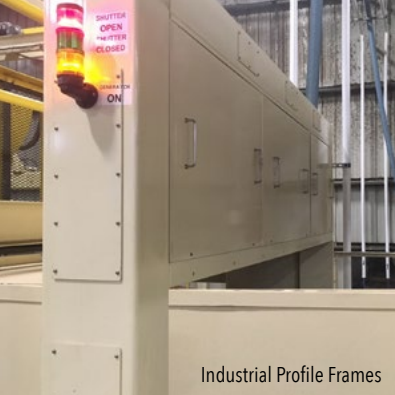
Industrial Mono-Beam Frames



Floor Mounted C-Frames



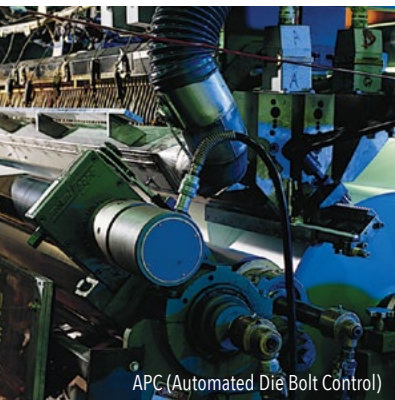
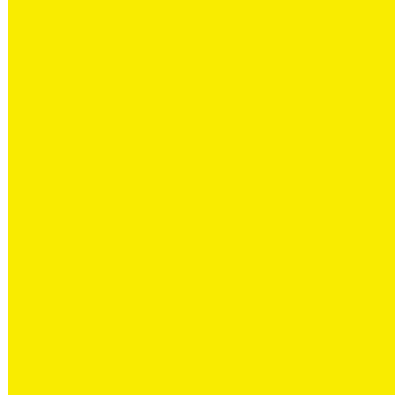
Industrial O-Frames



Industrial Profile Frames



Industrial C-Frames



APC (Automated Die Bolt Control)



Industrial Mono-Beam Frames



Beta Caliper X-Ray Sensor

Control Technologies

When it comes to the ROI, control is what makes the money. From the beginning, one of AIS's greatest strengths has been controls engineering within the company. From simple to complex, AIS control schemes and algorithms provide the perfect balance between optimized process control and HMI user friendliness. Whether it's automatic die control in plastics, cascade control in paper, chiller control in roofing or complex galvanizing control in metals, AIS offers the ability to get the most out of your process lines.

The Latest in Control Technologies Including:

- ▶ **APC (Automated Die Bolt Control)**
- ▶ **Line and Pump Speed Control**
- ▶ **Calendar Control** (Left-Right-Roll Bending – Skew)
- ▶ **Blade and Roll Coater Control**
- ▶ **Spray Pressure or Flow Control**
- ▶ **Headbox Control**
- ▶ **Jet/Wire Ratio**
- ▶ **Cascade Control**
- ▶ **Stock Valve Control**
- ▶ **Chiller Temperature or Flow Control**
- ▶ **Feed Forward Control**
- ▶ **Galvanizing-Aluminizing Knife Control**
- ▶ **Allen Bradley, Opto, Beckhoff Machine Control**
- ▶ **Multi-Level 2 System Interfacing**
- ▶ **Detailed MIS Reporting & Network Data Interfacing**
- ▶ **ATM (Automated Target Management)**
- ▶ **Custom Applications**



Software

Simplicity and ease of use can be key to effective management of factory systems. AIS utilizes the industry standard Wonderware graphical package. Wonderware is a highly scalable, complete SCADA system and is ideal for measurement systems requiring fast, easy to use set-ups for most industry applications. Combined with an Allen Bradley, Opto, or Beckhoff control system, Wonderware provides extremely quick feedback response and highly detailed data capture for companies needing more advanced control functions.

Wonderware - InTouch

- ▶ Recognized Worldwide Today
- ▶ Customizable and Scalable
- ▶ Built-in Tool Tips
- ▶ High Definition Graphics
- ▶ Multiple Control Options
- ▶ Historical Error Logging
- ▶ Full Database Historian
- ▶ 2D Waterfall Diagrams
- ▶ Multiple HD Displays
- ▶ High Speed Profiling
- ▶ Remote Capabilities
- ▶ Histogram Display
- ▶ System Alarming
- ▶ Easy to Setup
- ▶ OPC Interface
- ▶ Full SCADA Capability

Service and Support

No matter how good the equipment may be, without timely response and quick on-site support when needed, even the best systems are not effective. AIS understands this extremely well. As an organization that began in service and transitioned into developing systems second, no one understands the need for effective service better. AIS employs more highly experienced technicians than nearly all competition in the industry. We are here when you need us, strategically located throughout the United States and in many countries throughout the world.

PM & Calibration Visits

- ✓ Annual
- ✓ Semi-Annual
- ✓ Quarterly
- ✓ Monthly
- ✓ Customized
- ✓ On Demand

Training & Support

- ✓ 24/7/365 Options
- ✓ 48 hour onsite response
- ✓ Free 2 year Phone Support
- ✓ Free 2 year Remote Support
- ✓ Free Software Updates Forever!
- ✓ Secondary-Advanced Training

Our Locations

Located throughout the USA and around the world to better serve you!

AIS Gauging
5350 N. 13th St.
Terre Haute, IN 47805

