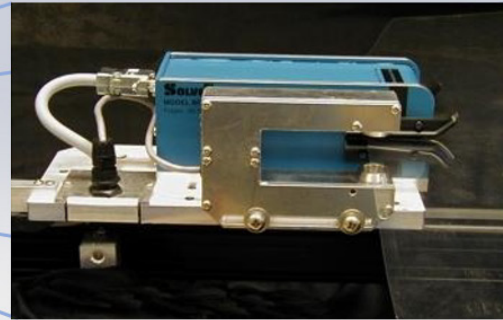
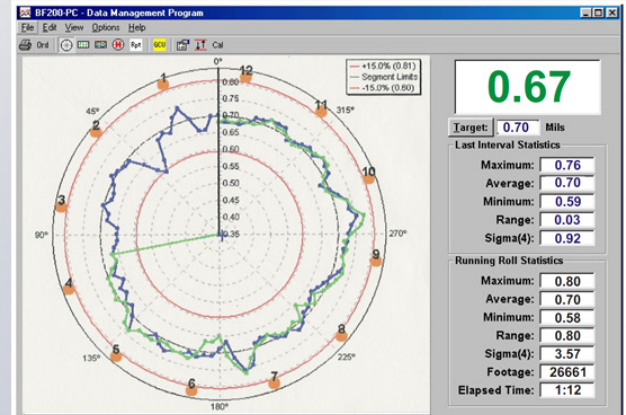
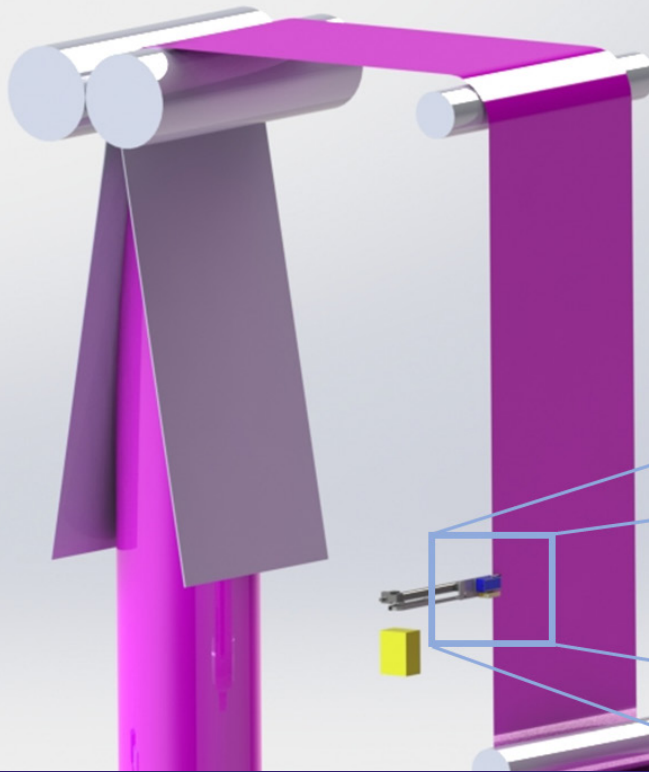


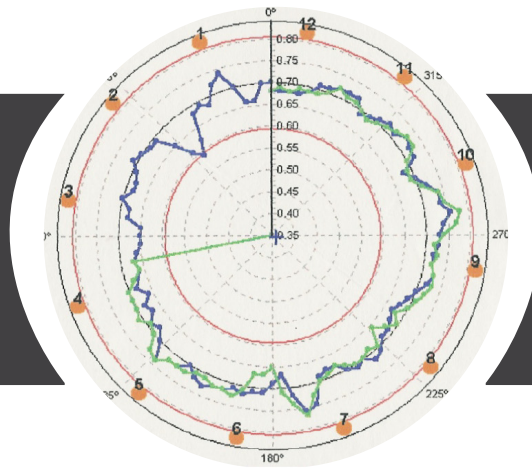
Retrofit Your Existing Blown Film Line



THE BF200 BLOWN FILM THICKNESS GAUGING SYSTEM

SolveTech INC

**Monitor &
Reduce
Variability**



**Target
Average
Thickness**

Monitor Your Blown Film Profile and Control Average Thickness

- Easy To Retrofit • Simple Operation • Accurate and Precise • Durable • Excellent Data Management

EASILY COLLECT ACCURATE DATA

With the Market Leading After-The-Lay-Flat Blown Film Gauge

SolveTech's Proprietary Capacitance Technology



- High Precision (0.1% to 1%)
- Non-Contact
- Non Hazardous
- Stable and Reliable

When blown film is placed in the gauge head, the disturbance to electric field is sensed. More material creates a stronger response, less material causes a weaker response, and this linearly correlates to the thickness of the material. A stable calibration allows for actual thickness readings, not just a variability profile like in many other gauging systems.

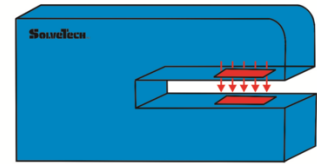


Figure 1
Simplified Measurement Head (Single Channel) showing an electric field between two measurement electrodes

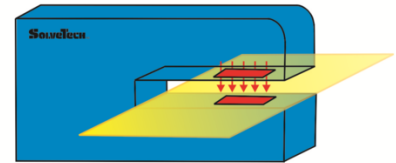
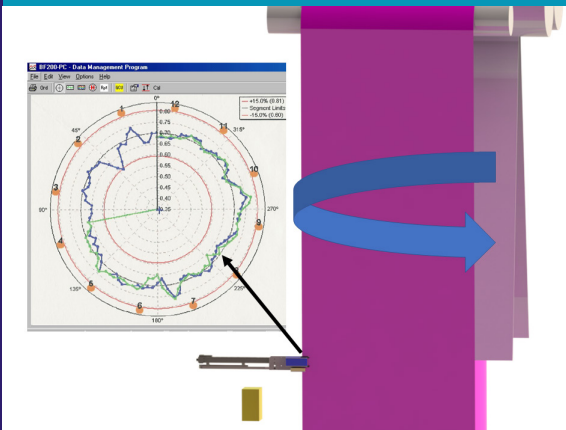


Figure 2
When a material is placed in the gap, it will respond to the electric field. The gauge contains a circuitry which is sensitive to this response.

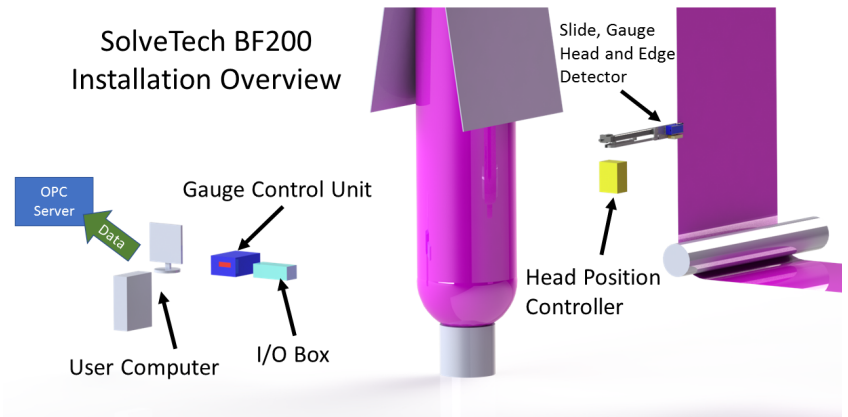
THE BF200 CREATES A PROFILE USING THE ROTATION/OSCILLATION OF YOUR DIE OR HAUL-OFF



The profile of the film rotates through the stationary gauge head to provide the complete profile of the bubble. This also generates an average thickness value which can be used for control purposes.

A Complete Turn-Key System

Easily Retrofits To Existing Blown Film Lines

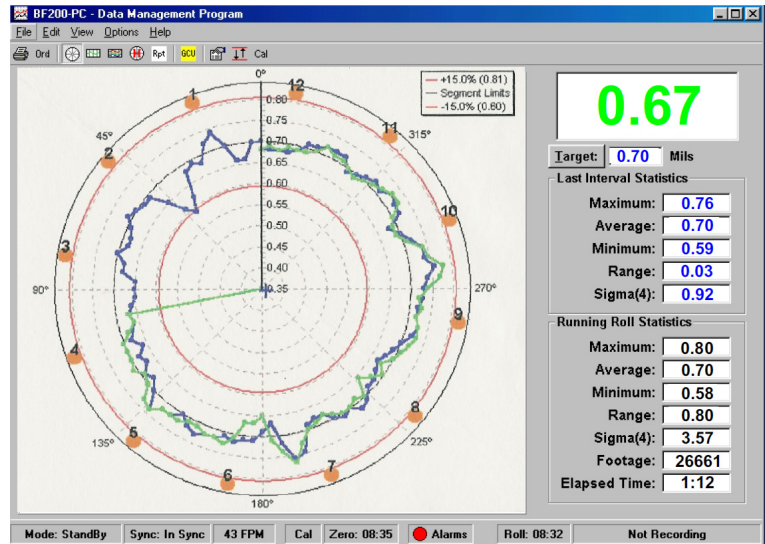


The turnkey system allows you to quickly and easily implement the technology. The user only needs to provide a computer and a mount for the slide. The slide and edge detector automatically finds the edge of the film, allowing for flexible and automated operation.

...AND MAKE THE MOST OF THE DATA COLLECTED

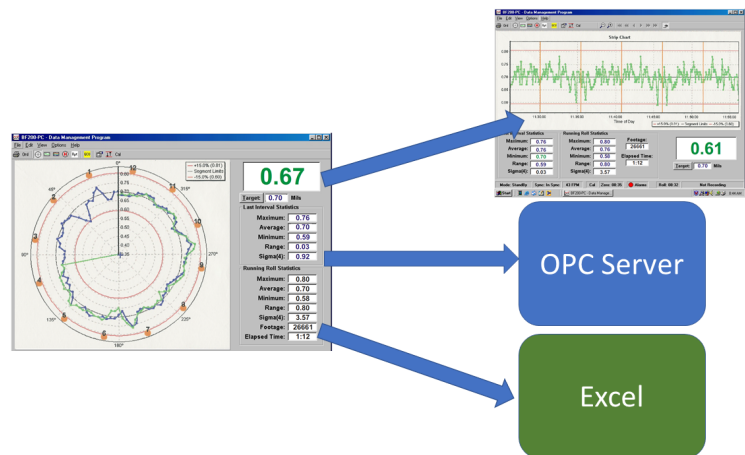
Benefits

- **Much More Economical, Easier to Operate and Maintain Than On-The-Bubble Solutions**
Easily retrofits to existing lines, helping you get higher performance for a minimal investment.
- **Improve Yield/Reduce Waste**
Monitor your thickness and set alarms for when the average thickness or variability go out of spec.
- **Reduce Variability Through Manual Adjustments**
The operator can quickly locate thin or thick areas of the bubble, make adjustments, and reduce the variability of the film. Great for downgauging!
- **Target Average Thickness Precisely and with Confidence**
No need for a gravimetric system or additional sensors.
- **Increase Machine Up Time**
Using the BF200, you know when you are on spec or when it is time to clean your die.
- **Durable Design with Low Maintenance**
Unaffected by Dust and Dirt
- **Creates a Historical Record Of Your Extrusion Process For Each Roll Produced**



Visualize the Thickness Profile with Die Bolts Overlaid

Our custom software overlays the thickness data with a correctly oriented die bolt pattern. This is easy for the operator to read and he knows where to make adjustments. Scroll through a history of the plots to see a record of your bubble's behavior.



Create Roll Reports, Export Your Data to Excel and Utilize Our OPC Server Output

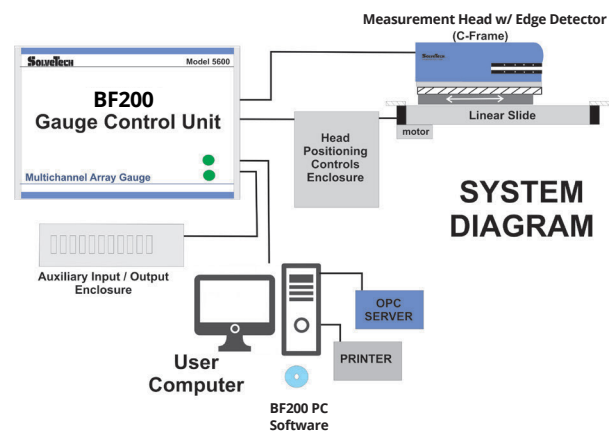
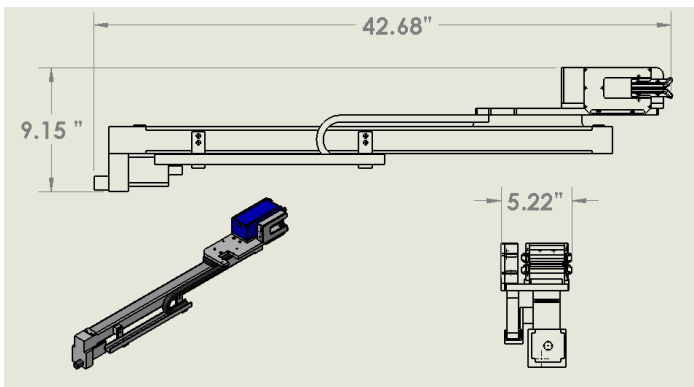
We know accessing and analyzing your data is important to you. We create custom data files, but we can also export to Excel or text files. In addition, our software can interface with an OPC Server. We offer these features to help you make the most of your data.

Create a Traceable History on Everything You Produce Using the OPC Server Output and Your Historian

THE BF200 BLOWN FILM GAUGE TECHNICAL DATA

| FEATURE | TECHNICAL SPECIFICATION |
|--------------------------|---|
| PRECISION | 0.1% to 1% of material thickness (application dependent)* |
| LINEARITY | +/- 0.1%* - Greatly simplifies calibration |
| VOLTAGE REQUIREMENTS | 110 V, Other voltages available upon request |
| STABILITY | Calibration stable for 1 year +* |
| MEASUREMENT TYPE | Capacitance |
| SLIDE TRAVEL DISTANCE | 24", Allows for 44" of variation in the lay-flat width |
| CALIBRATION | NIST traceable, uses material of known thickness |
| MATERIAL THICKNESS RANGE | 0.1 mils to 30 mils (2.5 microns to 760 microns) |

* Note: Market leading in this category



About SolveTech

Since 1981, SolveTech has specialized in non-contact thickness gauging and custom sensing technology. All equipment is designed and manufactured in Wilmington, Delaware, USA. The tireless perfection of the proprietary underlying technology in every SolveTech gauge has led to world class performance.

Service and Support

SolveTech offers on-site installation assistance, telephone/email support, and repair services. SolveTech is highly responsive to its customers and most repairs can be completed and returned within a few days.

SolveTech INC

302-798-5400

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Info@gauging.com

www.gauging.com

Units Available for Trial!