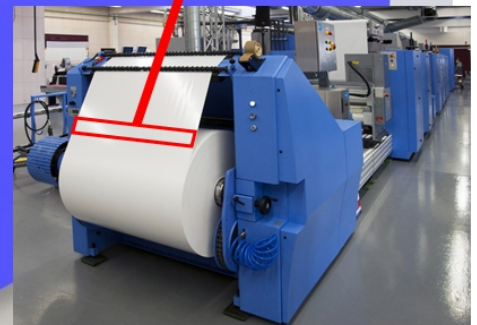
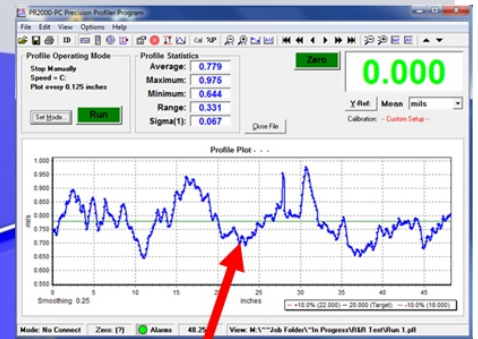
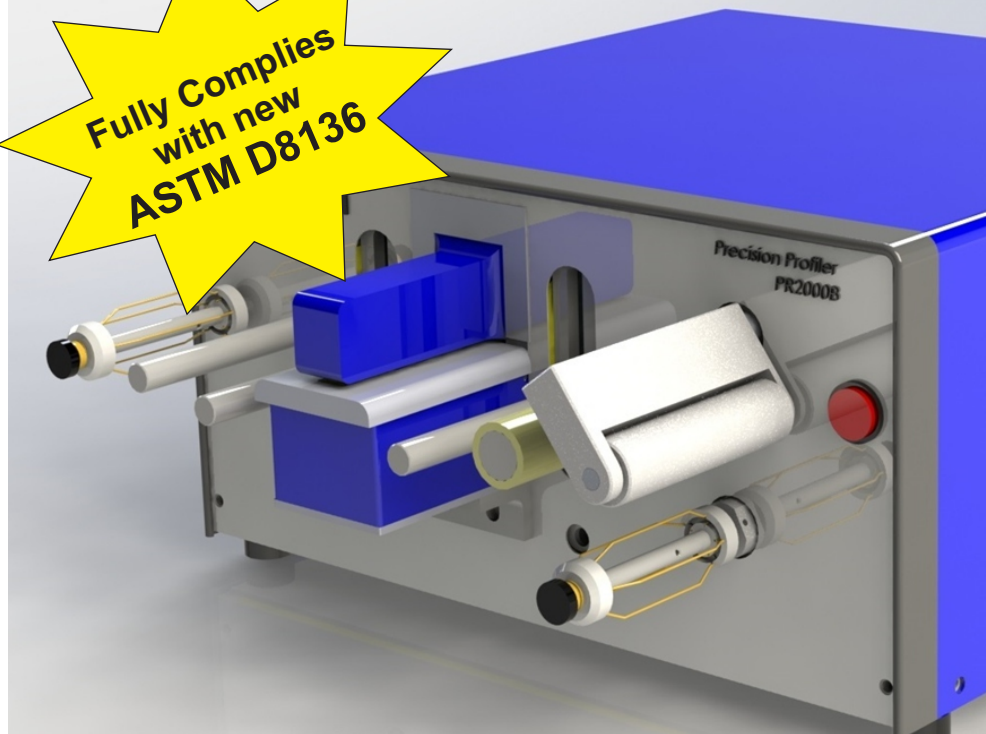


# Fast, Accurate, Easy-To-Use Off-Line Gauging

Fully Complies  
with new  
ASTM D8136

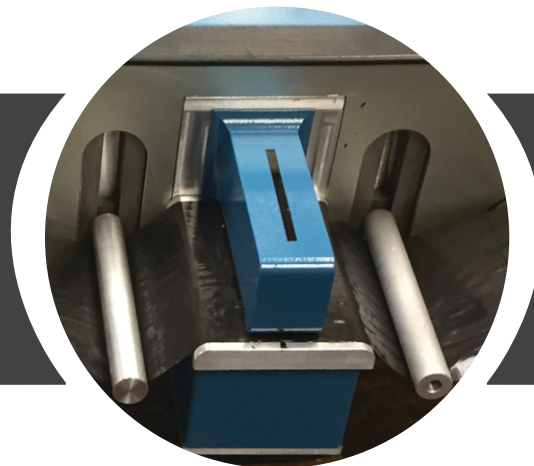


## Precision Profiler™

MODEL PR2000

**SolveTech** INC

Measure  
Thickness &  
Variability



Quality Assurance  
&  
Production  
Support

Measure the Thickness and Uniformity of Plastic Film, Sheet, Nonwovens and Paper  
Simple to Operate • Accurate and Precise • Durable • Excellent Data Management

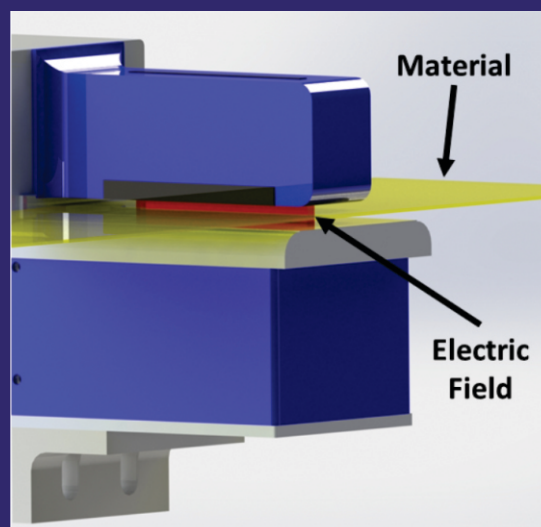
# EASILY COLLECT ACCURATE DATA WITH THE MARKET'S TOP PERFORMING PROFILER...

## SolveTech's Proprietary Capacitance Technology

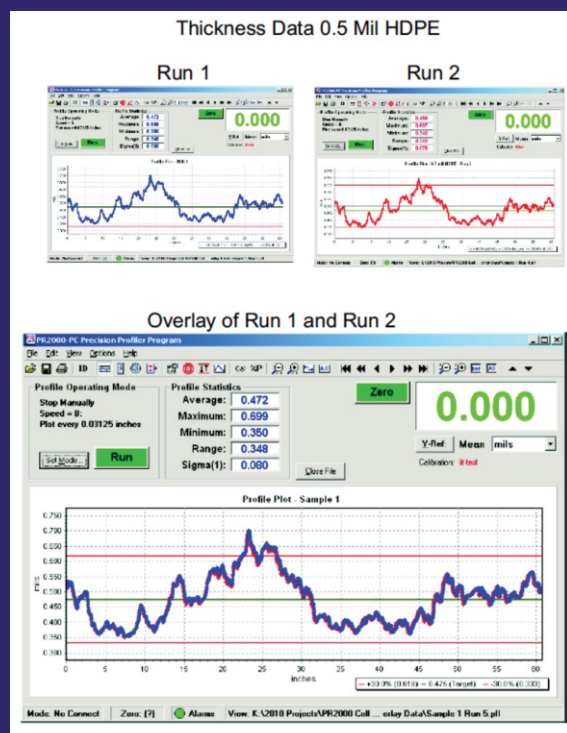


- High Precision ( $\pm 0.001$  mils)
- Non-Contact
- Non-Hazardous
- Stable and Reliable

When nonconductive materials, such as plastic film, are inserted into the gauge head, the disturbance to the electric field is sensed. More material creates a stronger response, less material creates a weaker response, and this linearly correlates to the thickness of the material.



## Excellent R&R with a NIST Traceable Calibration



Both the sensor and the apparatus are designed to deliver incredible R&R. The device can also be NIST traceably calibrated for plastic film using gauge-by-weight.

## Designed With The User In Mind

### EnviroShield™ Head

Measurement head is fully shielded against any influence from surrounding objects.

Temperature and humidity compensation gives superior measurement performance.

### Adjustable Guides

Guides can be raised or lowered to control film tension through the head. Angle can be adjusted to ensure proper steering of film.

### No-Slip Nip

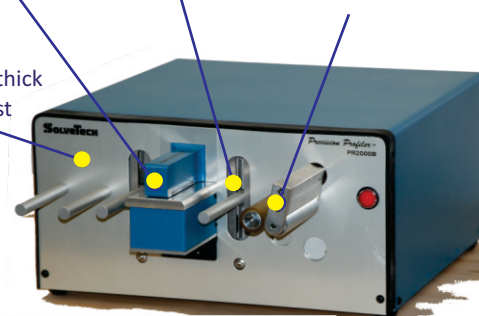
Programmable Nip Position is another SolveTech exclusive. Position shown gives a good wrap angle to reduce any slippage as film is transported.

### One Inch Thick!

The faceplate of the Precision Profiler™ is constructed from 1" thick aluminum. This provides a robust platform that helps deliver performance over time.

### Motors and Bearings

Oversized motors and quality bearings are incorporated throughout.

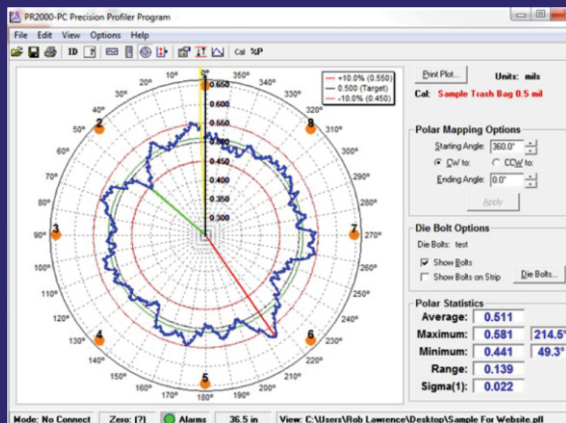


The Precision Profiler™ is built for tough industrial environments and offers high levels of operational flexibility. Dirt and dust have little effect on the reading, and the unit is designed to reduce operator error through automated material handling. Options like Spooling allow the Precision Profiler™ to handle samples that are 100's of feet long for machine direction analysis. Trays are available for hand-free operation.

# ... AND MAKE THE MOST OF THE DATA COLLECTED

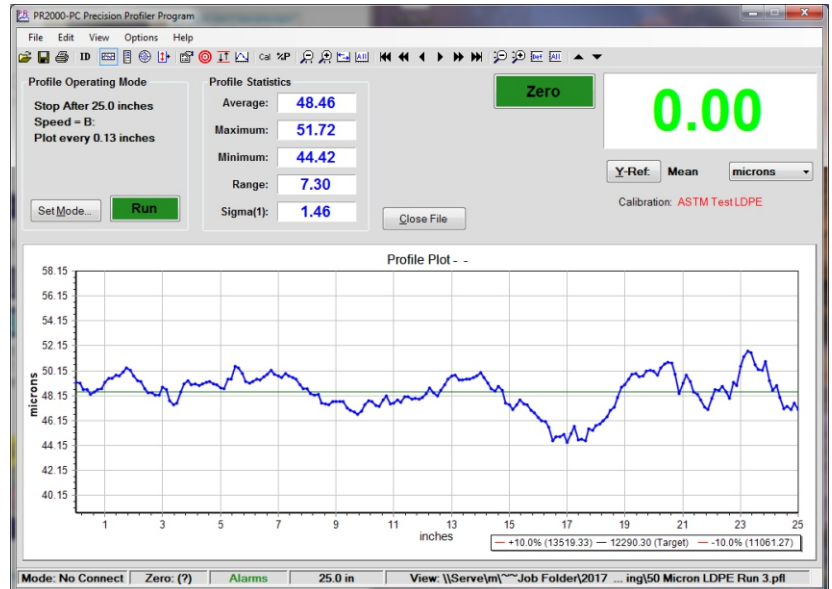
## Features & Benefits

- Fully Complies with ASTM Standard D8136 and D6988
- Excellent QA Tool That Delivers Fast and Accurate Results
- Reduce Product Changeover Times
- Identify Die Lines Quickly and Reduce Scrap (Die Line Detection Head Available)
- Polar Plots with Die Bolt Overlays for Blown Film Producers (Below)



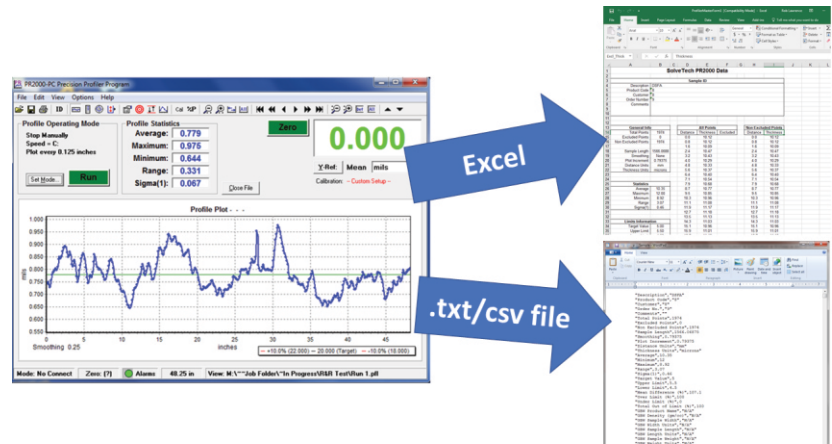
## Applications

- Quality Assurance
- Production Support
- Incoming Product Inspection
- Continuous Improvement



## High Speed Data Collection And Easy To Use Software

Our system takes precise readings every 0.125" while scanning the sample at 3 in/sec. Getting complete coverage (1440 data points) on a 180" sample only takes 60 seconds. The software automatically compiles of your statistics and displays an easy to interpret graph.



## Create Roll Reports, Export Data To Excel & .txt/csv Files

We know accessing and analyzing your data is important to you. We create custom data files, but you can also export to Excel or text files. Additionally, you can print paper copies of your reports. These options make it easy to present, analyze and manage your data with the push of a button.

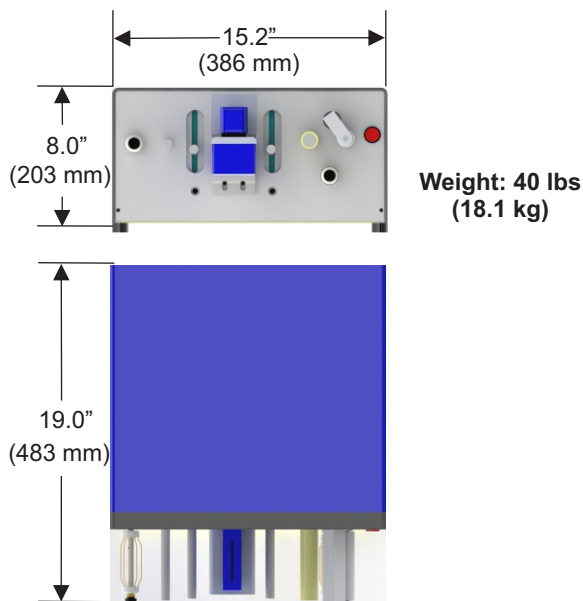
## Create a Traceable History on Everything You Produce Using The Text File Output and Your Historian



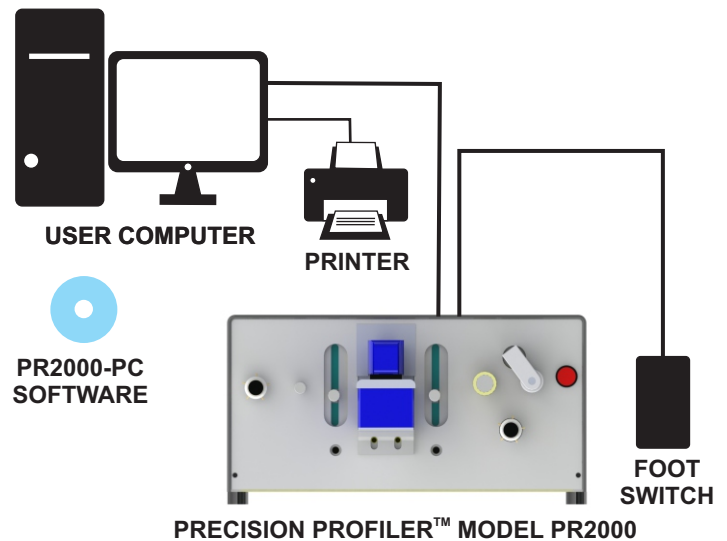
# THE PRECISION PROFILER™ MODEL PR2000 TECHNICAL DATA

FEATURE	.042 HEAD	.062 HEAD	.125 HEAD
REPEATABLE PRECISION	+/- 0.001 mils (+/- 0.025 microns)	+/- 0.003 mils (+/- 0.075 microns)	+/- 0.02 mils (+/- 0.5 microns)
MATERIAL THICKNESS RANGE	0.1 to 15 mils (2.5 to 400 microns)	0.5 to 35 mils (12 to 900 microns)	2 to 1000 mils (50 to 2500 microns)
MEASUREMENT FOOTPRINT SIZE*	0.125" x 2.25" (3.2 x 57 mm)	0.125" x 2.25" (3.2 x 57 mm)	0.25" x 2.125" (6.4 x 54 mm)
STANDARD COMPLIANCE	ASTM Standards D8136 and D6988		
LINEARITY	+/- 0.1% (Greatly simplifies calibration)		
VOLTAGE REQUIREMENTS	110V or 220V (Other voltages available upon request)		
STABILITY	Calibration stable for 1 year +		
MEASUREMENT TYPE	Proprietary Capacitance Technology		
CALIBRATION	NIST traceable, uses material of known thickness		

\*Note: Different measurement footprint sizes are available



## SYSTEM DIAGRAM



## 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. Perfecting the 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, with turnaround times as short as 24 hours possible.

**SolveTech** INC

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info@gauging.com  
www.gauging.com

Sample Testing Available