

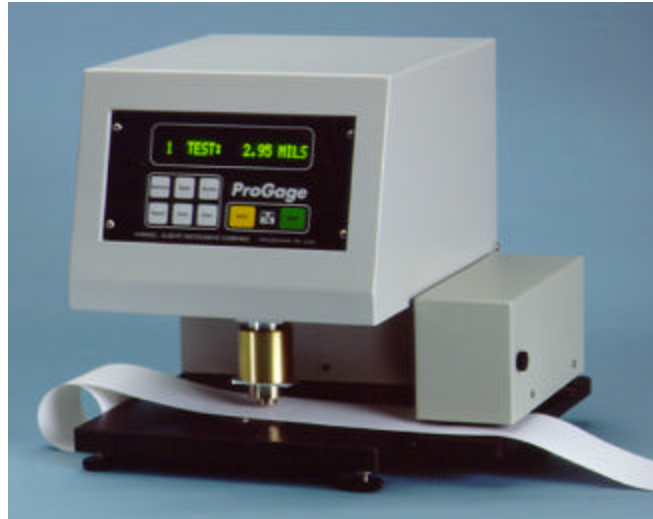
## ProGage Thickness Tester

The ProGage utilizes the most advanced technology to quickly and accurately measure the thickness of sheeted materials such as paper, plastic film, tissue and toweling, nonwovens, and textiles. The ProGage features a dual speed pressure foot which enables it to perform up to 20 test cycles per minute\* while maintaining a high degree of accuracy. A newly designed anvil ensures excellent parallelism as well as zero stability and calibration. A wide range of selectable presets for the measuring speed distance and the pressure foot speed as well as pressure feet diameters and weights enable the unit to be configured to specific test standards.

Capable of continuous or single testing, statistical analysis is automatically performed. Average, high, low and standard deviation are computed, displayed and can be printed. The ProGage can also operate in conjunction with other instruments or be controlled remotely through a computer terminal.

### Data Acquisition Software

Data Acquisition Software (DAS) is a Windows® based optional software package that provides the ability to collect data and perform additional statistical analysis. DAS enables you to plot results real time against defined limits, generate semi-custom reports and export test data to other spreadsheet packages for further management.



▲ An automatic sample feeder is available for the ProGage for cross-reel profiling and roll or strip feeding.

### Features

- Remote control via a computer terminal
- Dual speed pressure foot ensures the quickest test cycle available
- Zero stability and calibration
- Excellent parallelism
- Thumb screw access for easy maintenance
- Push button measurement conversion—mils, microns, millimeters, inches
- Digital display, push button operation
- Motorized automatic cycling
- RS-232 communications port
- Conforms to:

ASTM D374, D1777, D645  
TAPPI T411  
CPPA D.4  
BS 3983, 4817  
ISO 534, 3034  
SCAN P7, P31, P47  
DIN 53105, 53353  
EDANA 30.4-89

\*Actual cycles per minute is based on machine configuration



# Physical Specifications

<b>Dimensions</b>	12" (304.8 mm) D x 10" (254.0 mm) W x 12.5" (317.5 mm) H
<b>Net Weight</b>	52 lb (23.6 kg)
<b>Gross Weight</b>	57 lb (25.9 kg)

# Performance Data

	<b>Measuring Ranges</b>			
	<b>40 mil</b>	<b>100 mil</b>	<b>200 mil</b>	<b>500 mil</b>
<b>Default Settings</b>				
<b>Opening - mils</b>	80±15	200±15	220±15	520±15
<b>Dwell Time- sec</b>	2	2	2	2
<b>Accuracy - inch</b>	±0.00004	±0.00005	±0.00025	±0.0005
<b>(mm)</b>	(±0.001)	(±0.0012)	(±0.0064)	(±0.013)
<b>Parallelism - inch</b>	±0.00004	±0.00005	±0.00025	±0.0005
<b>(mm)</b>	(±0.001)	(±0.0012)	(±0.064)	(±0.013)
<b>Display Resolution</b>	0.00001"	0.00001"	0.00005"	0.0001"
	0.01 mil	0.01 mil	0.05 mil	0.1 mil
	0.001 mm	0.001 mm	0.005 mm	0.01 mm
	0.1 micron	0.1 micron	0.5 micron	1 micron

*\*Above accuracy and parallelism specifications are subject to change based on pressure foot diameter and weight. Special requirements are quoted on request.  
Note: Machines that are configured for a particular specification, either customer or published, may differ from the above performance specification.*

## Measurement Speed Distance

Range from 0.005" (0,012 mm) to 0.500" (12,7 mm)

## Dwell Time

0.0 - 9.9 seconds (selectable)

## Pressure Foot Speed

15 Presets available between  
0.026 - 0.416 in/sec  
(0,660 mm/sec - 10,566 mm/sec)

## Pressure Foot Size

0.19 in (4.83 mm) to 2.2 in (56 mm)  
(Special sizes available)

## Power Consumption

Operating Maximum: 18 Watts,  
Standby Maximum: 12 Watts

## Power Requirements

110 VAC, 50/60 Hz / 220/230 VAC, 50 Hz / 240 VAC, 50 Hz

## Options

**Sample Feeder:** An automatic strip feeder is available for cross-reel profiling and roll or strip feeding. Settings range from .1" (2.5 mm) to 19.9" (505 mm).

**Dot Matrix Serial Printer:** A formatted report can be printed on demand, showing test results, a statistical analysis for a group of tests and a profile graph.

**Foot Switch:** A foot actuated control enables the user to start a test with one press of the foot switch thereby keeping the hands free to insert test samples.



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