

MX Series microDrive Sample Advance Drive Unit

Full-Featured Stand-Alone Drive Unit allows turning your Oakland hand-fed "point-to-point" MX MicroGauge in to a full-sample **automatic profile tester**; including our new MX-1100e Touch-Panel Electronic Bench top MicroGauge

In the past, film extruders, paper producers, and flexible packaging converters have had the choice of bench micrometers which are either value-priced hand-fed machines, or expensive drive-operated profiling calipers. Now you can have the best of both worlds by integrating two cost-effective instruments. Oakland Instrument offers the MX Series microDrive, a simple to use stand-alone sample-advance drive. Adding it alongside your MX-1100e MicroGauge converts your system in to a high-performance automatic thickness profiler.

Improved Film & Paper Quality, Increased Profit Margins

The MX Series micro Drive, integrated with an Oakland MicroGauge, is a proven tool for more closely controlling nominal, minimum and maximum sample thickness characteristics to speed your: Research and development of new film and paper products, converted materials, wovens/non-wovens, fabrics and textiles. Inspection of incoming film and paper products, In-process checks to ensure on-spec product for converting operations, and Quality-control reporting

The Oakland Advantage

Meets ASTM and TAPPI

Meets ASTM and TAPPI specifications for contact thickness measurement and profiling of Plastic Film, Sheet, Paper and other materials.

Advanced Technical Features in Each Model

Expandable; Industry-Leading Software

Portable and expandable with optional software, printers and computer systems. A computer is not required for operation. Advanced software for display/hard-copy reporting of statistical and graphical analysis of data.

User-friendly, Rugged, Affordable

Best of all, the series MX microDrive is economically priced, yet rugged enough for plant-floor use.

Unique, Modular Design

Drive and Caliper can be set up for easy profiling or strip testing; Drive Wheel can be easily disabled with provided Idler Lever Plug for hand-feeding or spot-checks of thickness.

Advanced Engineering & Technology

- * Rugged brushless drive motor capable of sample spacing settings of 0.20 inch to 10 inch
- * 6 inch Throat Depth accommodates wide samples, as well as samples that are hand-cut without the aid of a cutting template
- * Integral Sample Advance Button speeds sample loading & removal



The MX Series microDrive Sample Advance Drive Unit, shown top photo. Photo below shown integrated with Oakland's Model MX-1100e Touch-Panel Bench top MicroGauge

Oakland Instrument Corp.

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, packaging, film, sheet, paper, and non-wovens industries.

Customer-Driven

We team with our customers to help them solve their quality- and process-control problems.

Technology-Based

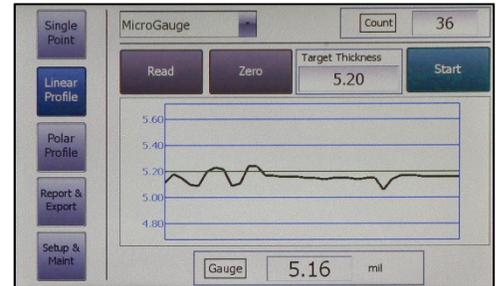
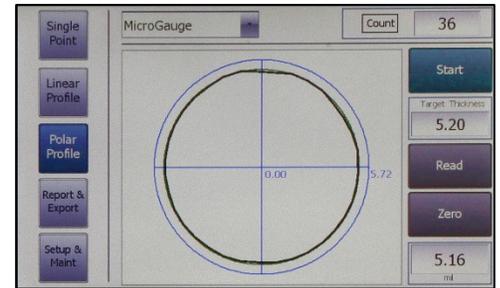
Our application knowledge and engineering depth allow us to offer both standard and custom systems based on industry-leading technology.

Specifications:

MX Series microDrive

Mode of operation:	Off-Line testing / lab use for Film, Paper, Sheet, Linerboard thickness measurement
Throat Depth:	6.0 Inch (15 cm)
Drive Direction:	Direction of pull from Right-to-Left
Materials:	All Sheet Materials
Sample Spacing	0.2 to 10.0 inches between readings
Sample Spacing Accuracy:	+/- 0.5% Full Scale
Sample Spacing Resolution:	0.2 inch
Sample Advance Speed:	Single Speed, 720 ipm
Speed Accuracy:	+/- 0.5 ipm
Dwell Time Between Readings (w/ MX-1100e):	3 seconds
Sample Advance:	Integral, push-button operated
Power Requirements:	115 VAC, 60 Hz, 230 VAC, 50 Hz, or 24 VDC External Supply
Serial Data Communications:	RS-232, 9-pin D-Sub (1)
Dimensions / Weight:	7.0 in. W x 10.0 in. H x 11.0 in. D / 14 lbs

MX-1100e Touch-Panel MicroGauge Display Screen Examples



(Due to continuous product improvement, all specifications are subject to change without notice)

Options and Accessories

Connecting your Oakland MX-1100e Touch-Panel MicroGauge to your MX MicroDrive converts your benchtop Caliper in to a full-featured automatic Profiler with: thickness scale & target setups, polar plots (for blown film users), linear plots (for blown film, cast film, and converter use) as well as full statistics and data exporting via. MX-1100e Serial connection. Sample MX-1100e Gauge Touch-Panel displays shown above-right

Ordering Information

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