

PRO-MIC

PRO-MIC Roll Measurement Systems

Reliability, Repeatability and 3 Button Operation

PRO-MIC TRUE End-to-End System II

The PRO-MIC TRUE End-to-End provides advanced **end-to-end** roll profiling technology in a portable package.

With its precision crafted mechanical components and tried and proven electronics, the PRO-MIC positions itself as far and away the best roll profiling system available today.

From the patented TRUE End-to-End design to the ingenious X-Caliper configuration to its ability to transfer data to your PC wirelessly and to measure Concentricity, the PRO-MIC is a constantly improving instrument.

The standard PRO-MIC measures change in diameter up to 10 times per inch with a resolution of 0.000020" and a guaranteed repeatability of +/-0.0001".

In metric mode, the standard PRO-MIC measures change in diameter up to each 2mm of travel with a resolution of 0.0005mm and a guaranteed repeatability of +/-0.0025mm.

Optional High Resolution upgrade provides 0.000005"/0.000125mm resolution.

Upgrades provide a host of optional features including:

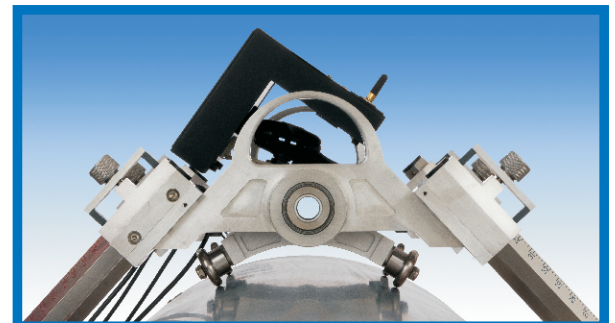
- Bluetooth Data Transfer to PC Software
- Concentricity measurement
- Sine Curve Roll Shape Analysis
- Roll Temperature Measurement

The System can be connected to any one of PRO-MIC's software systems for electronic storage and recall of profiles, SPC Analysis, Shape Analysis, Target Shape comparisons and roll wear analysis.

Call us, or call any one of the more than 950 satisfied PRO-MIC users. Any of us would be happy to talk with you about our Systems.



8" to 32" PRO-MIC TRUE End-to-End
X-Caliper Design



New Integrated Arc-Handle For
Easy Unit Transport

PRO-MIC Corporation . 20135 Valley Forge Circle . King of Prussia, PA 19406

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PRO-MIC TRUE End-to-End System II

System Description

The PRO-MIC TRUE End-to-End systems are the industry standard for portable electronic roll profiling equipment. More than 950 PRO-MIC systems are in use worldwide each day.

The PRO-MIC TRUE End-to-End Systems are saddle micrometer based, measuring change in diameter up to 10 times per inch (2mm) of travel along the roll face to a standard resolution of 0.000020" (0.0005mm).

All PRO-MIC Systems are based upon reliability, repeatability and 3-button routine operation which makes them an easy addition to any quality conscious roll shop.

All PRO-MIC Systems easily operate in both inch and millimeter units.

System Components

1. Precision PRO-MIC TRUE End-to-End Saddle Micrometer
2. PRO-MIC Digital Electronics Package.
3. PRO-MIC Charger/Interface.
4. Printer for hardcopy output.
5. Set of wrenches required for assembly.
6. ISOBAR surge protector.
7. Instruction manual with certification/calibration data.
8. Full 6-month defect and performance guarantee on all components excluding measurement probe.

Physical Data

System Design: PRO-MIC TRUE End-to-End X-Caliper

Diameter Range	Weight	Probe Spacing	Track Width	Minimum Roll Length*
4" to 22" (100 to 560mm)	17.0 lbs (7.7 kg)	8" (203mm)	3.5" (89mm)	18" (457mm)
8" to 32" (200 to 810mm)	20.0 lbs (9.1 kg)	12" (304mm)	6.5" (165mm)	26" (660mm)
8" to 40" (200 to 1015mm)	21.0 lbs (9.5 kg)	12" (304mm)	6.5" (165mm)	26" (660mm)
16" to 48" (400 to 1200mm)	32.0 lbs (14.5 kg)	12" (304mm)	12.5" (317mm)	26" (660mm)
16" to 64" (400 to 1600mm)	33.0 lbs (15.0 kg)	12" (304mm)	12.5" (317mm)	26" (660mm)
20" to 68" (400 to 1725mm)	39.0 lbs (18.0 kg)	12" (304mm)	12.5" (317mm)	26" (660mm)

* Special systems can accommodate shorter roll lengths

Electronic Data

System Design:

PRO-MIC Digital Electronics Package Series 6000
User selectable inch or millimeter units.

Probes:

Measurement Range: +/-0.200 (0.400" total) / +/-5.0mm (10mm total)
Resolution: 0.000020" / 0.0005mm
Repeatability: +/-0.0001" / +/-0.0025mm
Optional Resolution: 0.000005"/0.000125mm

Measurement Frequency:

User Selectable: 0.1", 0.2", 0.25", 0.5" (2mm, 5mm, 10mm, 20mm)

System Options

Bluetooth Wireless:

Provides wireless Bluetooth Communication between the PRO-MIC and your PC. (TN-023BT)

PC Software Systems:

Store and retrieve profiles electronically; analyze roll shapes and grinding accuracy.
PRO-MIC Quantum Software. TN-007T

PRO-MIC Shape Analysis:

Diagnose grinding machine problems by separating profiles into Taper, Crown, Symmetry and Shape. TN-010

High Resolution Option:

Switch between standard measurement probes and high-resolution (0.000005"/0.000125mm) using one electronics.

Transferable Electronics:

Share one PRO-MIC electronics between two mechanical systems.