

PRO-MIC

PRO-MIC Roll Measurement Systems

Reliability, Repeatability and 3 Button Operation

What's a PRO-MIC ?

A PRO-MIC is a saddle micrometer mounted electronic measurement device which measures roll profile (change in diameter) up to 10x per inch (2mm) of travel to a standard resolution of 0.000020" (0.0005mm) repeatable time after time. High Resolution of 0.000005"/0.0001mm is optional.

PRO-MIC units enable roll grinder operators to produce substantially better roll profiles with existing equipment by accurately measuring crown, crown location and taper and presenting them in an easily understood format.

As a convenient, portable measuring tool the PRO-MIC also enables users to measure roll wear, calibrate grinder mounted profiling equipment and document work for customers or from suppliers.

One customer who uses his PRO-MIC only several times a year to check large rolls in the machine has reported "it pays for itself every time we use it!"

When PRO-MIC systems are due for calibration, users regularly tell us they cannot be without them.

One PRO-MIC system easily covers the output of two grinders. Also, the PRO-MIC electronics package can be shared between two mechanical frame sizes.

Current generation PRO-MICs are all Digital and therefore do not require periodic calibration adjustment. Bluetooth wireless communication is also available for easy downloading to your PC.



8" to 32" PRO-MIC TRUE End-to-End



8" to 32" PRO-MIC Lightweight



Common diameter ranges for PRO-MIC systems include:

4" x 22" (100mm to 560mm)
8" x 32" (200mm to 800mm)
8" x 40" (200mm to 1015mm)
16" x 48" (400mm to 1200mm)
16" x 64" (400mm to 1600mm)

The new Digital PRO-MIC supplies 0.400"/10mm measurement range.

PRO-MIC's Visual Quantum software package provides Profile Analysis and Target Shape comparisons to judge grinding accuracy. See Technical Note 007T for additional information.

The latest addition to our Roll Measurement Systems is a unit designed to profile rolls, in the machine or mill, with as little as 35mm/1.38" of clearance around the roll.

The more than 750 PRO-MIC systems in daily use share three outstanding characteristics:

**Ease of operation;
Repeatability and
Reliability.**

Designed and manufactured in the USA, our systems find use around the world. The very first PRO-MIC, S/N 1001, shipped in January 1986, was just retired from daily use.

The saddle micrometer based, patented, dual probe PRO-MIC TRUE End-to-End system profiles the entire roll body in one continuous pass without operator influence and is recognized as the world leader in portable roll profiling equipment.

The lower cost, single probe PRO-MIC Lightweight System is designed to measure within 2"/50mm or each roll end, with the added benefit of being lightweight and easy to use.

Our popular dial indicator equipped saddle micrometers are well received around the world as a welcome change from the typical heavy, old designs.

Our specialty is designing a roll profiling system tailored to customer needs and budgets.

We supply primarily portable, saddle micrometer mounted systems; however, grinder mounted, beam mounted and test station systems have been supplied to suit customer circumstances.

If you are interested in improving and documenting roll grinding quality; implementing preventive maintenance for rolls installed in your machine or mill, measuring profiles of rolls ground for you or by you for others, call us at 1-800-PRO-MIC-1. We'd like to talk about your application.

PRO-MIC: THE PEOPLE TO ASK ABOUT ELECTRONIC ROLL PROFILING.

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