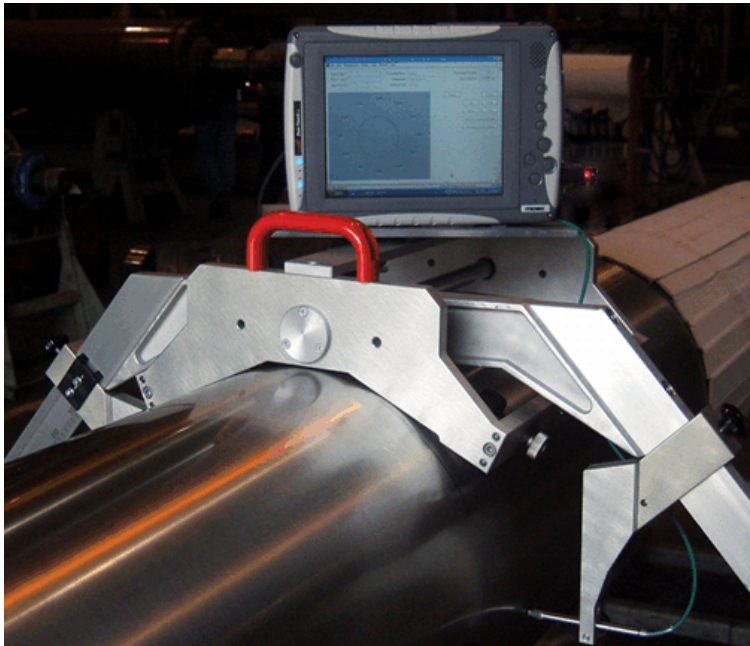


## **FMT RollTrack® Recording and Display System**

FMT Equipment Corporation has developed a new portable recording and display system for saddle-type roll calipers.

The deviation values from a linear gauge head and an encoder are recorded directly onto a rugged tablet computer with Windows XP. Measurement results are displayed on the 8.4" display of the tablet as a measurement is taken.

The tablet computer can be used as a stand alone system with roll measurement reports saved on its hard drive and printed out, or the tablet computer can be supplied with an integrated 802.11 wireless network connection, and reports saved on a network server. Optional software can be



used to access the reports from other computers on the network.

All the components are off-the-self items as in our systems for the machine mounted roll calipers - no custom made electronics.

The RollTrack® software is the same used with the machine mounted roll calipers. The software is specifically made for roll measurements such as measuring crown, compound crown, straight profile, run-

out, and roundness. Elaborate software features include: change scale, tolerances, and filtering before and/or after saving a report, a single gauge roundness procedure from a T.I.R. (Total Indicator Reading) measurement, two gage motion measurement (machine mounted models), caliper tracking, etc.



### **FMT Equipment Corporation**

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## FMT Has the Right Roll Measuring Equipment

FMT Equipment supplies machine tool quality roll calipers for all paper industry applications: Manual saddle-type roll calipers with dial indicators or computerized profiling recorders, and machine mounted roll calipers for single wheel roll grinders and Farrel two-wheel roll grinders. The caliper hardware is designed and made by PWT/Schönthaler of Germany. The latest RollTrack® developments are equipment, software, and methods for measuring true roll roundness and roll motion using our standard machine mounted roll calipers; no need for expensive multi-point measuring hardware and systems.

The PC RollTrack® recording and display system includes an export function for the measurement results, which can be used to program the next grinding pass with the CNC-controls of Abbott Machine. Abbott Machine re-manufactures and services all makes of roll grinders including mechanics, electrics, and manual or CNC-controls.

A new affordable roll tracking data base is available to track all paper machine rolls with history, etc.

## Product Line Card

### Roll Calipers

- ❑ PWT / Schönthaler saddle-type roll calipers
- ❑ PWT/Schönthaler machine mounted roll calipers for single wheel roll grinders
- ❑ FMT machine mounted roll calipers for two-wheel roll grinders
- ❑ RollTrack® recording and display systems
- ❑ RollTrack® barring measurement equipment

### Roll Grinders

- ❑ Abbott Machine re-manufactured roll grinders
- ❑ Abbott Machine CNC-controls
- ❑ RollTrack® computerized crowner retrofit
- ❑ Used roll grinders as available

### Granite Roll Inspection Service

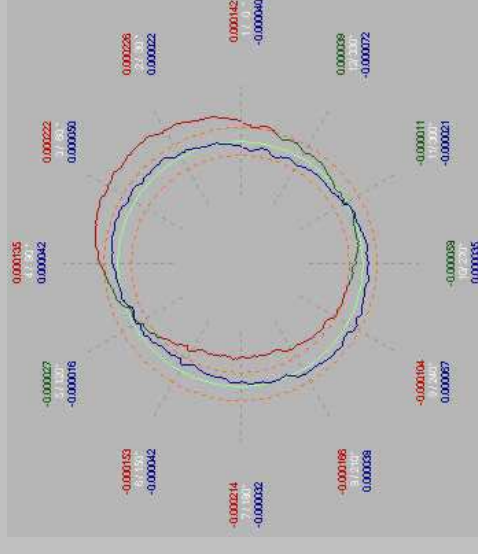
- ❑ Geo-Work granite roll radar inspection to detect internal flaws and cracks

### Roll Tracking and Management

- ❑ Paper industry database applications using either MS Access or designed as a web application.

[www.fmt-equipment.com](http://www.fmt-equipment.com)

## Roundness Measurement



A measurement graph on a new roundness measurement procedure from a single gauge T.I.R. measurement. The graph shows that the roundness measurement result is within +/- .0001" (2.5µm) tolerances after eliminating run-out from a T.I.R. measurement at the roll center.

Adding a second gauge makes a roll motion measurement possible.

A paper by FMT President Juhani Jaske and Consultant Dominic D'Amato, was covered in the article entitled "Roll Grinding - One Key to Proper Roll Maintenance" in the April 2005 issue of Paper Asia magazine.

**Please send us e-mail to request a copy of the paper.**