

Caliper Profiler / Gauge

Feltest Equipment BV, professional instruments for paper machine clothing



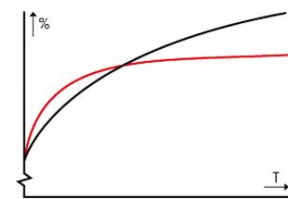
3 good reasons to measure the caliper of forming fabrics and press felts on running paper machines:

1. Monitor the condition of the clothing by facts, not by feelings.
2. Determine wear and compaction for a more secure planning of stops.
3. It's easy, quick and reliable!

Compare the compaction curves

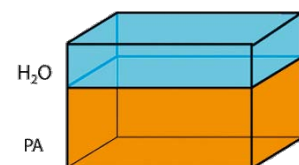
With every nip pass, a felt's ability to recover from the nip impact decreases. Depending on felt design and press

load, the felt becomes increasingly compacted. Establish a typical compaction curve for every felt position; this is your reference. Compare the compaction curve of any (trial) felt with this reference and you know precisely what is going on.



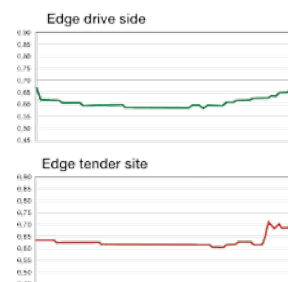
Wear of press felts

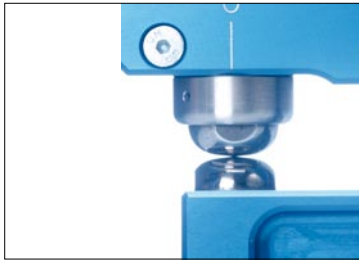
For press felts, the wear must be calculated on the basis of caliper and water content. The caliper of a running felt contains 2 elements: water and felt material (usually PA). Caliper and water content can be measured; the felt weight is then calculated. Relate this calculated weight to the original felt weight as stated by the supplier and wear becomes apparent.



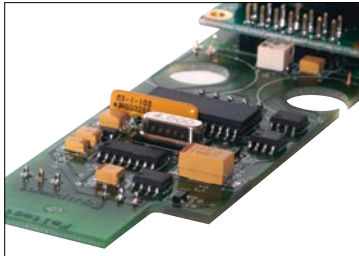
Wear of forming fabrics

The Caliper Profiler measures the real fabric caliper, not influenced by a water film or small contaminations on the fabric's surface. Due to the electronic memory you will always detect the minimum caliper (within 30 cm from the edges). This measured caliper can then be related directly to the minimum caliper as stated by the fabric supplier. A caliper profile is made within seconds with the supplied Feltest software!

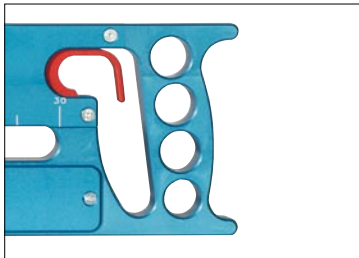




The unique shape of the feelers is designed for best performance on both forming fabrics and press felts. The high spring load gives an excellent reproducibility and makes the results highly independent from the person performing the measurement.



Accuracy, reproducibility and reliability in a paper mill environment; these were the design objectives. Electronics, components and mechanics, every single part meets these objectives. The result is a highly dedicated instrument for any professional dealing with paper machine clothing.



The ergonomic and rigid design is equally suitable for left and right handed people. The red trigger has two functions: pulling the trigger opens the mouth of the instrument; pushing the trigger starts recording the measured values into memory (Caliper Profiler) or freezes the momentary value at the display (Caliper Gauge) so that one can read the result safely outside the fabric's run.



The Feltest Caliper Gauges are designed for use in the corrosive environment of paper mills. They withstand spray-water, dust and mechanical shocks. They can be stored without cleaning and are practically maintenance-free. The instrument is supplied in a custom made suitcase, together with a multilingual manual with calculation examples, tables and standard felt compaction curves. The Caliper Profiler also comes with a PC connection cable and software to download data to your PC. Every instrument comes with a calibration certificate.

Standard Caliper Gauge



Caliper Profiler



Specifications

Accuracy	± 0.02 mm	± 0.01 mm
Calibration certificate	Included	
Dimensions	L 431 x H 130 x D 26 mm	
Weight (including suitcase)	1.8 (4.8) kg	
Power	one standard 9 Volt battery	
Protection	IP 64	
Languages instruction manual	English & German	
PC connection	n.a.	USB - cable included
Software	n.a.	Windows® 98 or higher
Languages software	n.a.	English & German
Guarantee period	12 Months	



Performing measurements of any kind on running paper machines is potentially dangerous and requires alertness, concentration and common sense. The products of Feltest Equipment BV are designed and constructed to be as safe as possible for their intended use. Feltest Equipment BV can not be held responsible or liable in any way for injuries or damages that occurred using Feltest Equipment BV's products.