Bräcker

Testing instruments

Absolutely perfect top rollers are the pre-condition for producing high quality Yarn.

BERKOL® testing instruments are essential for quality control. They discover faults and thus help to save money. The range of testing instruments available is the ideal comletion for every roll shop.

The concentricity tester
Tests the concentricity and parallelism of top rollers and bearing journals.

- The BERKOL® concentricity tester stands out due to accurate and solid components
- Measuring range:

roller diameter	20 to 100 mm
max. roller length	450 mm
measuring probe	0.8 mm
scale division	0.01 mm

- The smooth-running measuring car runs without play on a precision guide

- The ball-jointed supports allow the precision measuring probe to be set at any position
- The central clamping handle and the fine adjustment screw guarantee simple operation
- The hardened and ground support rollers are driven by an electric motor
- The solid hardwood box protects the precision instrument and prevents the dust penetration.

The BERKOL® Shore A hardness tester HPSA R35M
Durometer according to Shore for determining and monitoring the surface hardness of cots, pressure rollers and many other rubber-coated rollers; dependence on Shore A according to DIN 53505, ISO 7619, ISO 868, ASTM 2240

- Easy to use
- High repeatability
- Working face slightly curved to fit on rollers

The roughness measuring instrument
(see back page)

BERKOL®

More than just Rubber

The roughness tester

A good buffing on the top roller prevents lap formation and thus reduces expensive loss of production.

Within our product portfolio we have for years been offering a roughness tester, which is distinguished by very slight pressure on the scanning diamond and is therefore especially suitable for measuring the roughness of soft materials.

The roughness tester makes the regular monitoring of the defined roughness standard quick and easy

The calibration plate supplied enables the measuring accuracy to be verified at any time and if necessary adjusted on the instrument itself.

The compact, easy-to-operate, digital instrument is supplied with an integrated printer. The instrument is PC compatible.

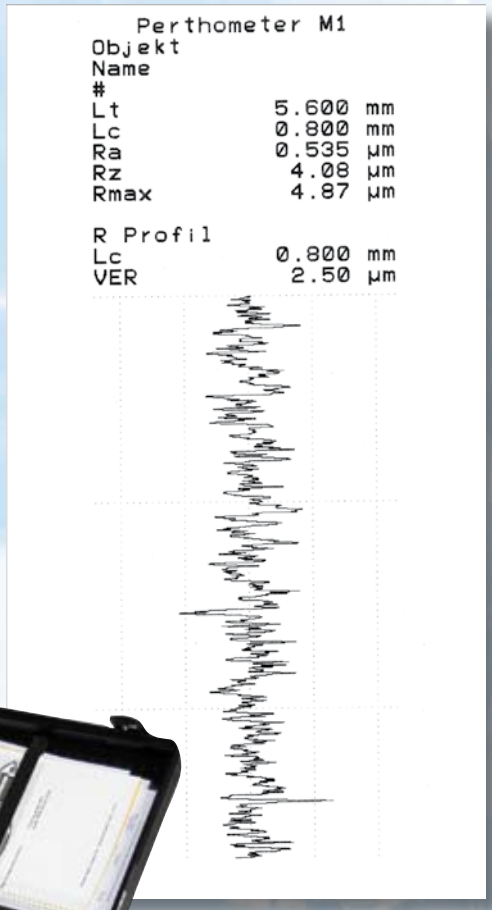
The following values, together with a roughness profile, can be printed out for quality record purposes:

Ra Arithmetic average roughness

Rz Mean surface roughness (according to ISO)

Rmax Maximum surface roughness

Depending on the spinning mill, material, climate, yarn quality, etc. we recommend a Ra value between 0.6 and 0.9 µm.



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ISO 9001 SCES 003