

**PLOT NO 42-44, SRIRAM VATIKA IND. AREA, OPP. STATE BANK OF INDIA DELHI
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ABRASION TESTER



Usage : For determining the abrasion of fillers and pigments with platelet-shaped components.

Device description: The abrasion tester model ST 1000 is designed as per original German and suitable for the comparison and quality control of fillers, clay and pigments. The unit provides information on the wear properties of paper machine screens conditions. The ST 1000 is an ideal instrument to provide up to certain extend of testing and comparing fillers and pigments structure and their effects on the paper machine wire screen

The instrument has a digital preset revolution controller in both display supplied with complete plexi glass filler jar and standard wire screen spare and accessories, The instruments is based on the same principle as defined in zell-chemig notice sheet V/27.5/75 as per einlehner abrasion tester originally

Test Description: A standard test method for testing the abrasion properties of platelet-shaped fillers and pigments using the ST 1000 is described in Zellcheming Merkblatt V/27.5/75. A standard test screen (phosphorous bronze screen) is abraded in a watery suspension of the filler or pigment to be tested by the slide friction load of a standard rotary abrader (base with PVC covers) which is subjected to a defined load. The material loss suffered by the standard test screen after this standard rotary abrader has completed a specific number of revolutions is determined in terms of weight loss by means of comparison weighing. This weight loss [mg] is used as a comparison value for the wear effect of the tested filler or pigment.

Special Accessories : Test material available in test pack consisting of 100 standard Phosphorus Bronze test screens, 50 Standard PVC Abrader Rings and 5 SS wear plates with calibration paste at option cost .



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