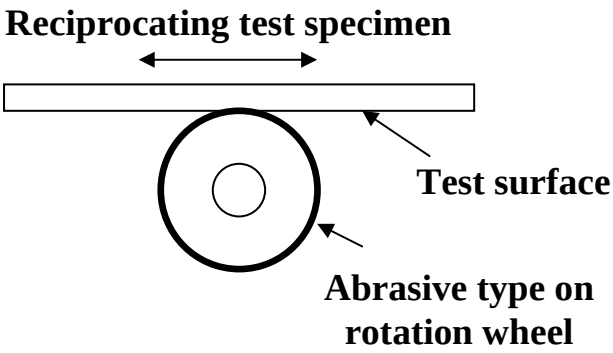
Abrasive wear tester

The abrasive wear tester is a versatile equipment for abrasive wear testing of materials in reciprocating sliding. It consists of a table that holds the specimen and reciprocates it against an abrasive paper wrapped around the circumferential surface of a wheel (ø50mm × 12mm thick). The wheel is turned by a fraction of one rotation at the end of each stroke so as to enable the rubbing of tested material against fresh abrasive surface.

This machine has **several advantages** such as high reproducibility, short test time, simple flat test geometry, easy evaluation, simple operation. A special advantage of having the abrasive wheel *positioned underneath the tested sample* is that worn off material is automatically removed by gravity and thereby does not influence the wear of the surface. This machine has some **disadvantages**. The friction can not be measured by this machine; some parameters such as humidity and temperature can not be controlled.



TECHNICAL SPECIFICATIONS

Sample dimension: 16x35x1-175x250x43 mm
Board speed: 20-100 RPM
Board cycles: 1-9999
Load: up to 5 kg
Tape Wheel Rotation: 0, 1/600, 1/500, 1/400, 1/300, 1/200 (REV.)