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.)