



## Rotary Abrasion Tester

**Standards:** ASTM D1044, ASTM D3884, ASTM D4060, ASTM F1978, DIN 53754, DIN 53799, DIN 53109, DIN 52347, ISO-5470, ISO-7784-2, ISO 9352



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### Description:

GenRotary is NextGen's Rotary Abrasion Tester that is widely used to evaluate wear resistance. It can conduct tests on a wide range of materials such as: cloth, paper, paint, plywood, leather, tile, glass, rubber etc. It tests the specimen by rotating it while in contact with the grinding wheel and applying the required pressure. The Loss of weight reflects on the change in weight of the specimen. The unit also comes standard with an intelligent power failure recovery function.

The test applies to material thicknesses between 6.35mm to 40mm. A flat square or round specimen of roughly 100mm is mounted on the system which rotates at a fixed speed vertically. Rotary's wheels are lowered onto the material at a specific pressure. The X pattern of abrasion produced by the double rotary action allows for an accurate identification of the materials' wear and tear. The Rotary abraser comes standard with a full range of auxiliary weights, specimen holders, abrasive wheels, wheel refacer and vacuum unit.

### Technical Specifications:

<b>Specimen Size (Outer Diameter)</b>	108mm ID:8mm ,3mm
<b>Abrasion Wheel</b>	2"(max. 45mm), 1/2"(W)
<b>Wheel Center Distance</b>	63.5mm
<b>Rotating Speed</b>	60/72 rpm
<b>Loads</b>	250g, 500g, 1000g
<b>Counter</b>	LCD Touch screen, 0-999,999 Automatic shutdown
<b>Wheel and Specimens disk center space</b>	37-38mm
<b>Machine Size (L*W*H)</b>	530 x 320 x 310mm (Including vacuum cleaner)
<b>Weight (kg)</b>	18kg (Excluding vacuum cleaner)
<b>Power</b>	AC110V / AC220V/50Hz
<b>Wear index calculation formula</b>	Abrasion loss weight/test turnover number x1000



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