

Rotational Abrasion Tester



Rotational Abrasion Tester determines the abrasion resistance performance of various coatings as well as paper, plastic, textile fabric, etc.

It works by turning the test sample on a vertical axis, against the sliding rotation of 2 Abrading Wheels. The wheels are driven by the sample in opposite directions about a horizontal axis displaced tangentially from the axis of the sample. One of the abrading wheels rubs the specimen outward toward the periphery and the other wheel, inwards to the centre. The area of abrasion forms a pattern of crossed arcs of about 30sq.cm

The degree of abrasion for the specimen also depends on the load force 500g,750g or 1000g on each arm, acting on the axial of the 2 Arms, which have a load pressure of 250g

Product Code	T01-700721
Description	Rotational Abrasion Tester
Overall Dimensions	320x 280 x 254 mm (L x W x H)
Platform Speed	60±2r/min or 72±2r/min
Counter Range	0~9,999
Power	25W 220V 50Hz
Load Weight	500g-750g-1000g
Dimension of abrasive sheet	Φ50mm×Φ16mm (centre hole) ×13mm



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Key Features

- Multiple abrasive mediums can be used according to specific tests
- Turntable speed control options of both 60 rpm and 72rpm
- LCD display for accurate, convenient setting and monitoring of the whole test
- Three stainless steel weights (500g, 750g, 1000) for different loads
- Weights are marked to show total load on each wheel, including the weight of the abrading arm (250 grams)
- Abrading arms and fixing sleeves of abrading wheel are calibrated and balanced before leaving factory
- Vacuum system included to remove any debris created by test
- Precision vacuum nozzle adjustment control allows the height to be modified for different sample thicknesses.
- Quick Release Mounting Hub for quick wheel mounting without the need of a locking nut.
- Comes with S-11 Resurfacing medium disc
- Comes with a pair of standard abrasive rubber wheels

Test Standards

DIN 52347 53109 53754 53799

ISO 5470 9352 3573 4586-2 7784-2

ASTM C217 D1044 D3389 D4060 D5342



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Accessories for Rotational Abrasion Tester

CS 10 Taber Abrading Wheels (1 Pair)	T01-700740	
CS 17 Taber Abrading Wheels (1 Pair)	T01-700741	
Taber Resurfacing Medium Disc (Pack 100)	T01-700742	
180# Emery Cloth (Pack of 100)	T01-700727	
Fixing Ring for Soft Samples	T01-700728	
Glass Panels with Circular Hole (Pack 100)	T01-700729	
Aluminium Panel with Circular Hole (Pack 100)	T01-700736	
Standard Zinc Panels for Calibration (Pack 10)	T01-700737	