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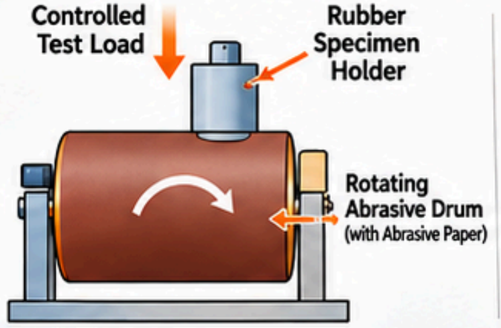
SOLE ABRASION MACHINE

DIN Rotary Drum Type – Sole Abrasion Testing Machine



A laboratory testing machine used to determine the abrasion resistance of rubber and polymer shoe soles and related materials by the DIN rotary drum method.

TESTING PRINCIPLE – DIN ROTARY DRUM METHOD



- A rubber specimen is pressed against an abrasive paper on a rotating drum.
- The drum rotates and causes controlled abrasion on the specimen.
- Wear is evaluated by mass loss and volume loss assessment.

KEY FEATURES

- DIN rotary drum testing arrangement.
- Controlled specimen loading.
- Suitable specimen holding fixtures.
- Abrasion-resistance evaluation.
- Robust and durable construction.
- Customised configurations as per customer requirements.

KEY BENEFITS

- Evaluates abrasion resistance of sole materials.
- Helps in material selection and quality control.
- Ensures consistent and reliable test results.
- Suitable for R&D and product development.

TECHNICAL SPECIFICATIONS (MAJOR)

Parameter	Specification
Testing Method	DIN Rotary Drum
Control System	Digital (Cycle Counter)
Specimen Holding	As per applicable test method
Drive Mechanism	Motorised

» These technical specifications will be changed as per customer requirement.

APPLICATIONS


Rubber Shoe Soles


PU & TPR Sole Materials


EVA-Based Footwear Materials


Footwear Outsoles & Heels


Sports Shoes & Safety Footwear


Rubber & Polymer Material Testing


Footwear Quality-Control Laboratories


Research & Development Facilities

RELEVANT TEST STANDARDS

- ISO 4649
- ASTM D5963
- SATRA STM 140
- DIN 53516 (legacy reference, where specified)

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Note: Applicable test method and machine configuration depend on customer requirements. Standard compliance is subject to the verified machine configuration.

CUSTOMISED TESTING MACHINES AS PER CUSTOMER REQUIREMENTS

Machine configurations, fixtures and testing arrangements can be customised according to the required test method and application.

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