Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Dorry Abrasion Testing Machine

Product Code :

SLE/CE/96



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Description :

Dorry Abrasion Testing Machine (Product Code: SLE/CE/96) is a motor-driven rotating disc machine used to measure the abrasion resistance of stone and aggregate specimens pressed against it while sand is fed as the abrasive, in civil engineering and geology laboratories. Engineering colleges and materials labs use it to compare building stones and road aggregates, and its two hoppers and two weighted containers let two specimens run at once. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Drive	Disc rotating about a shaft connected to a reduction gear boxcoupled to a motor
Disc speed	28–30 RPM
Sand feed	Two conical hoppers on a bracket fixed to the circular tray, with an arrangement to start and stop the sand flow
Sand removal	Tray under the rotating disc with an outlet for removing used sand
Specimen loading	Two containers with weights keep the specimens pressed against the disc
Power supply	220 V, 50 cycles, AC
Product code	SLE/CE/96
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Dorry Abrasion Tester Used For?

The Dorry test grades the hardness of rock and stone by how quickly it wears when rubbed against a turning disc under a steady stream of sand. Each specimen sits in its weighted container so that it bears on the disc with a constant pressure, the hoppers are opened to feed sand, and the disc turns at 28–30 RPM for the number of revolutions the test calls for. Loss of mass or thickness after the run shows how the stone would resist foot traffic, wheels or flowing water.

Weigh specimens carefully before and after the test, keep the sand dry so it flows evenly from the hoppers, and empty the tray outlet between runs. This machine suits geology and highway-materials teaching in engineering colleges, as well as quality checks on paving and flooring stone at technical institutes.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, makes the Dorry Abrasion Testi
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