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Product Name :

Digital Los Angeles Abrasion Testing Machine

Product Code :

SLE/CE/95



Description :

Digital Los Angeles Abrasion Testing Machine (Product Code: SLE/CE/95) is a rotating steel-drum machine used to measure how much coarse aggregate wears down under abrasion and impact in civil engineering and highway materials laboratories. Road-materials labs and engineering colleges use it for the Los Angeles abrasion test, and its electronic control unit stops the 711 mm diameter drum automatically at a preset revolution count. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM engineering lab equipmentmanufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Drum	Rolled steel, 711 mm inside diameter × 508 mm internal length
Drum speed	31–33 rpm
Control	Electronic control unit
Revolution counter	Automatic counter; the machine stops by itself when the preset revolution count is reached
Drum interlock	Interlock device lets the operator lock the drum in position
Product code	SLE/CE/95
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Los Angeles Abrasion Machine Used For?

The Los Angeles abrasion test indicates whether a road stone or concrete aggregate is hard enough to resist the grinding and knocking it will meet in service. A graded sample is loaded into the drum together with the abrasive charge the test method specifies, the counter is set, and the drum turns at 31–33 rpm until the machine stops on its own at the preset count. The sample is then sieved and the loss is reported as a percentage of the original mass.

Automatic stopping removes counting errors and frees the operator during long runs, which is valuable in teaching labs where several groups share one machine. Use the interlock to hold the drum steady while loading and emptying it. For institutes building a highway materials lab, this is core engineering lab equipment in India alongside impact and crushing value tests.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited (CIN U29309HR2020PTC087597), the OEM behind this machine. The rolled steel drum, frame and control mounting are produced at the company's licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414).

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