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Product Name :

Accelerated Polishing Machine

Product Code :

SLE/AG/13



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Description :

Accelerated Polishing Machine (Product Code: SLE/AG/13) is a road-wheel machine used to simulate the polishing of road surfacing aggregate by tyre traffic in highway and quarry laboratories. Fourteen specimens sit around a road wheel running at 320 ± 5 rev/min while a rubber-tyred wheel bears on them with a 725 ± 10 N load. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of scientific & laboratory instruments and engineering lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Specimens	14 specimens located on the road wheel by rubber rings and heldby simple side fixing
Road wheel speed	320 ± 5 rev/min
Tyred wheel setdiameter	200 ± 3 mm
Tyred wheel set width	38 ± 2 mm
Tyred wheel hardness	69 ± 3 IRHD
Applied load on the wheel	725 ± 10 N
Tyre positioning	Loaded tyre raised and lowered to the running surface by a mechanical lifting device
Drive	Inverter drive to motor for precise speed control; adjustable 3 phase motor speed control with adjustable timing belt drive, reducing power consumption and improving control
Controls	Digital display preset timer and revolution counter
Spindle	High ground steel main spindle in precision sealed ball bearings, additionally protected by a labyrinth seal; spindle axially loaded to eliminate end play
Frame	Robust welded steel mainframe standing on adjustable pads
Water feed	Gravity fed from a high level tank through a calibrated flow meter; water tank height 155 cm
Waste collection	Used abrasive and water collected in an easily removable tray
Specimen moulds	Precision machined moulds; specimens easily removed
Guards	Protective covers and guards easily removed for maintenance
Electrical supply	230 V / 110 V, 50/60 Hz, single phase, 13 amp
Dimensions (W x D x H)	810 x 790 x 1230 mm
Palletised dimensions (W x	1200 x 800 x 1280 mm
Wei	
Proc	

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