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Product Name :

Jolting Apparatus

Product Code :

SLE/CE/46



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Description :

Jolting Apparatus (Product Code: SLE/CE/46) is a motor-driven compaction machine used to compact cement mortar test prisms in a three-compartment mould in cement and civilengineering laboratories. Materials-testing labs choose it because a cam turning at 60 rev/minlifts and drops the table, and a micro-switch stroke counter stops the machine automatically after60 jolts. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM andengineering lab equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Table and arms	Rectangular table rigidly connected by two support arms to a spindle
Spindle distance	800 mm horizontal distance from the centre of the table
Drive	Cam connected to a motor and gearbox through a V-belt and pulleys
Cam speed	60 rev/min
Drop action	Table is raised by the cam and allowed to fall freely onto a stop; a projecting lug with a plane face is provided on the table, with a stopwith a rounded upper surface beneath it
Jolt control	Stroke counter with micro-switch stops the machine after 60 jolts
Mould mounting	Locating pins for the mould compartments; mould and hopper clamp rigidly to the table
Supplied with	Mould and hopper
Mould	Steel mould with base plate, three compartments, each 40 × 40 × 160 mm internal
Other listed accessory	Apparatus for de-moulding the specimen
Optional	Digital preset counter (extra-cost option)
Power supply	230 V, single phase, AC
Product code	SLE/CE/46
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Jolting Apparatus Used For?

Freshly mixed cement mortar is placed in the three-compartment 40 × 40 × 160 mm mould with the hopper fitted on top, and the jolting apparatus compacts it by repeatedly lifting the table and letting it fall onto the stop. Because the cam speed and jolt count are fixed by the machine, every set of prisms receives the same compaction effort, which removes the operator-to-operator variat
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