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Product Name :

Vibrating Table

Product Code :

SLE/CE/13



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Description :

Vibrating Table (Product Code: SLE/CE/13) is a motor-driven vibration table used to compact fresh concrete in test moulds in civil engineering laboratories and site labs. Its 500 x 500 mm top carries up to 140 kg, and a speed regulation handle sets the frequency anywhere from 2600 to 3600 vibrations per minute. The table is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM scientific lab equipment manufacturer in Ambala, at its own factory in India.

Specifications

Parameter	Detail
Table top	500 x 500 mm, with stops along the edges so moulds cannot walk off during vibration
Load capacity	140 kg
Vibration frequency	Adjustable from a maximum of 3600 down to 2600 vibrations per minute
Drive	Motor with variable pitch pulley, housed in a cabinet
Vibration mechanism	Off-balance masses rotating on the shaft of a vibrator clamped to the underside of the table top
Controls	Switch for starting the motor; speed regulation handle for increasing or decreasing frequency
Mould holding	Cross arm adjustable on a vertical rod at the centre of the table
Power supply	230 V AC, single phase, 50 cycles
Product code	SLE/CE/13
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Vibrating Table Used For?

Trapped air weakens concrete specimens and makes test results scatter, so moulds are vibrated rather than only hand-rodded. Filled cube, cylinder or beam moulds are set on the table, held down by the cross arm on the central rod, and the motor is started; vibration continues until the concrete surface settles and air bubbles stop rising.

Stiffer mixes need more energy, which is why the frequency can be turned up towards 3600 vibrations per minute, while more fluid mixes are compacted at the lower end to avoid segregation. Keep the total load within 140 kg, check that the cross arm is tight before switching on, and scrape off spilt concrete before it hardens on the table top.

OEM Manufacturer

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