Jolting Table

LT-CE0070 | Controlled compaction of mortar prism specimens

Cam mechanism • Digital jolt counter • Automatic stop



60 jolts/min

JOLTING RATE

15 mm

FREE FALL HEIGHT

EN 196-1 • EN ISO 679 • Three-gang 40 × 40 × 160 mm moulds

LT-CE0070

Photographs and Machine Components

Mould clamping table, digital counter and enclosed drive assembly

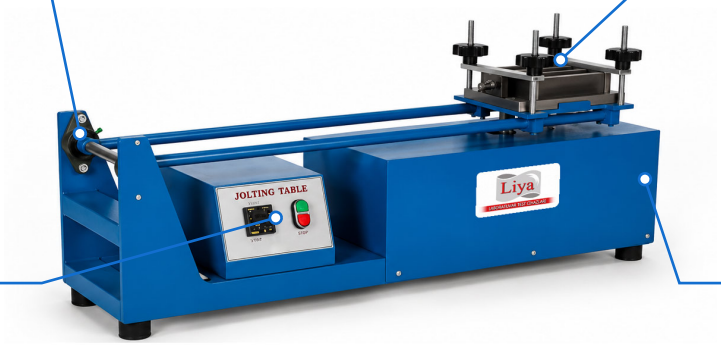
LT-CE0070 compacts fresh cement mortar in three-gang 40 × 40 × 160 mm moulds using controlled mechanical impacts. A motor-driven cam raises and releases the table. The digital counter stops the motor automatically at the selected number of jolts.

PIVOT AND ARMS

Arm assembly supporting the moving table. Guides the lifting and falling movement of the mould.

MOULD CLAMPING

Rapid locking arrangement securing the three-gang prism mould to the table.



DIGITAL COUNTER

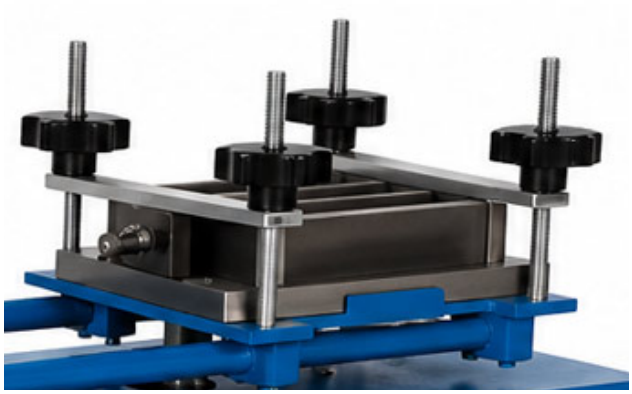
Preset the number of jolts. The motor stops automatically when the selected count is reached.

DRIVE HOUSING

Protective enclosure around the motor and gearbox. Restricts access to moving drive parts.



Digital jolt counter and start/stop controls



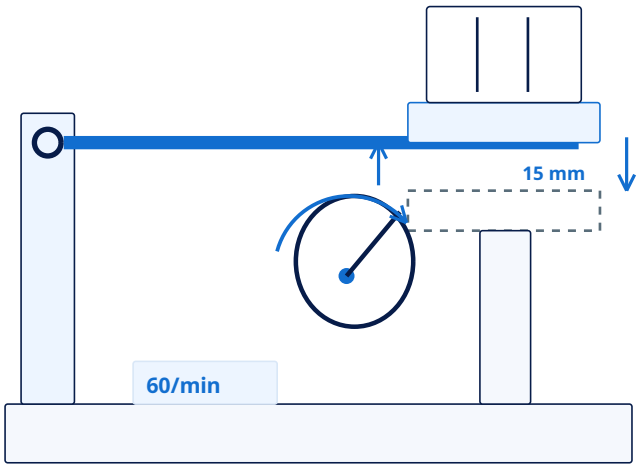
Three-gang mould and rapid clamping arrangement

LT-CE0070

Controlled Jolting Principle

Clamp mould • Set jolt count • Raise and release • Prepare specimens

CAM DRIVE • LIFTING AND FREE FALL



THREE-GANG 40 × 40 × 160 mm PRISM MOULD

60 JOLTS/MINUTE • 15 mm DROP

OPERATING PRINCIPLE • SCHEMATIC VIEW • NOT TO SCALE

Secure the Mould

Place the clean mould on the table. Centre and secure it firmly using the rapid locking arrangement.

Set the Jolt Count

Select the count required by the test method on the digital counter. Follow its filling and compaction steps.

Complete the Cycle

The cam lifts the table, which drops 15 mm. The motor stops when the selected jolt count is complete.

Repeated lifting and falling helps fresh mortar settle within the mould. A rate of 60 jolts per minute and a 15 mm drop height provide repeatable compaction conditions during specimen preparation.

Mould and Mortar Preparation

Clean and assemble the three-gang 40 × 40 × 160 mm prism mould. Check that it sits correctly on the table and that its fixings are secure.

Place mortar according to the filling and layer sequence of the test method. Match the jolt count to that method. After the cycle, transfer specimens to surface finishing and curing.

Installation and Repeatability

Mount the machine firmly on a rigid foundation. Check the clamping arrangement, arm movement and stop region before operation.

Record mould identification, mortar batch and applied jolt count. Keep the motor and gearbox housing in place. A sound-insulated safety cabinet is optional.

LT-CE0070

Technical Specifications and Workflow

LT-CE0070 • Jolting Table | EN 196-1 • EN ISO 679

Specification	Technical Information
Product Code	LT-CE0070
Mould Compatibility	Three-gang 40 × 40 × 160 mm mortar prism mould
Movement Mechanism	Motor-driven rotating cam; lifting and free fall
Jolting Rate	60 jolts/minute
Drop Height	15 mm
Jolt Counter	Digital counter with preset count
Stop Function	Automatic motor stop at the selected jolt count
Mould Clamping	Rapid locking system
Overall Dimensions	35 × 105 × 50 cm
Weight	55 kg
Power Supply	220 V, 50–60 Hz, 1 Ph
Standards	EN 196-1, EN ISO 679

Clamping and Jolt Count Check

Secure the mould to the table. Set the jolt count for the test method; check foundation fixings and the automatic stop function.

From Mould to Compacted Mortar Specimens

01
Prepare
Prepare mould and fresh mortar for the test method.

02
Clamp
Secure the three-gang mould to the table.

03
Jolt
Set the count and start the controlled cycle.

04
Finish
Transfer specimens to surface finishing and curing.

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