INNOTECH®

INNOTECH ENGINEERING DEVICES PRIVATE LIMITED

Testing Machines | Material Testing Equipment | Customized Solutions

PACE RATE CONTROLLED COMPRESSION TESTING MACHINE

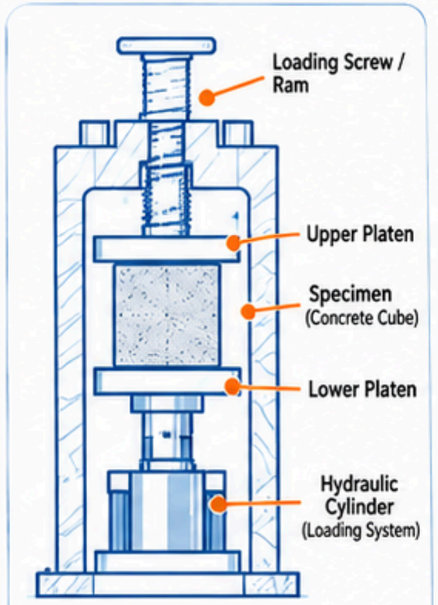
Controlled Loading for Concrete & Construction Material Strength Testing

A robust compression testing machine with pace-rate controlled loading, designed for strength testing of concrete, cement/mortar and construction materials.



WORKING PRINCIPLE





Internal Arrangement (Section View)

TECHNICAL SPECIFICATIONS

Parameter	Specification
Machine Type	Pace Rate Controlled Compression Testing Machine
Testing Method	Compressive Strength Testing
Loading System	As per selected configuration
Pace-Rate Control	As per model configuration
Load Capacity	To be confirmed
Display System	Digital / Controller as configured
Specimen Type	Concrete, cement/mortar and suitable materials
Platens	As per testing requirements
Data Recording	Optional
Power Requirement	To be confirmed
Customization	Available as per customer requirements

KEY FEATURES

- Pace-Rate Controlled Loading
- Digital Load Indication
- Hydraulic Loading Arrangement
- Rigid Compression Testing Frame
- Concrete Specimen Testing
- Application-Specific Fixtures
- Optional Strength Calculation
- Customizable Control System

INDUSTRIAL APPLICATIONS



STANDARDS (REFERENCE)

- IS 14858 – Compression Testing Machines
- IS 516 (Part 1/Sec 1) – Hardened Concrete Strength Testing
- IS 4031 (Part 6) – Cement Compressive Strength Testing
- ASTM C39/C39M – Cylindrical Concrete Compressive Strength Testing
- EN 12390-4 – Compression Testing Machines for Hardened Concrete

Applicable standards depend on the specimen, testing procedure and selected machine configuration.

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+91 9810431604 | https://innotechgroup.net | info@innotechgroup.net | H-307 RIICO Industrial Area Karoli, Tapukara, Bhiwadi, Rajasthan, India.

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