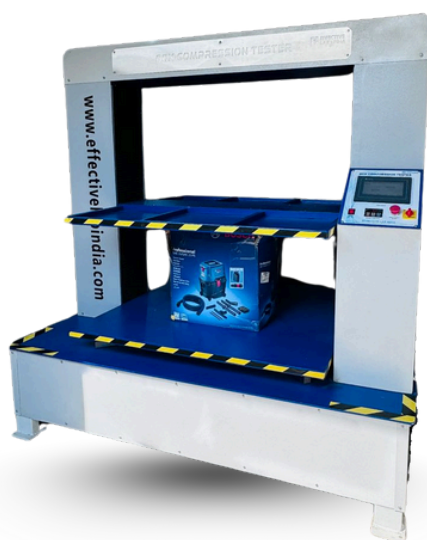


Box Compression Tester- HMI Model

A Box Compression Tester is an instrument used to assess the compression strength and durability of corrugated boxes and packaging materials. It measures the maximum load a box can withstand before deformation or failure occurs. The testing process involves subjecting the box to vertical pressure, simulating the conditions it may face during stacking or transportation. The results help manufacturers and packaging professionals ensure that their boxes meet industry standards and can withstand the rigors of the supply chain.

Effective Lab India The Box Compression Tester determines the load bearing capacity and durability of paper boxes, especially corrugated cardboard boxes. Effective lab India box compression strength tester is a laboratory testing machine that works on command, it is made of mechanical, electrical or electronic components. This box compression test machine is made by accommodating a pressure plate and a compression plate. The corrugated box is placed on the pressure plate, and pressure is applied on the box samples through the compression plate to check the quality of the box.



Features :

- **HMI Display:** Touchscreen interface for easy operation and real-time data visualization.
- **Load Capacity:** Capable of measuring compressive force up to 1000-5000 Kgf. Powerful base plate with a tough construction.
- **Resolution:** Fine resolution of 0.1 kg for detailed analysis.
- **Test Speed:** Variable speed control from 12.5 ± 2.5 mm/min.
- **Data Storage:** Internal memory for storing test results with options for USB.
- **Construction:** Robust steel frame for durability and stability during testing. TARE and peak hold capability.
- **Compliance:** Adheres to international standards like **ASTM, ISO, and TAPPI.**
- Extremely precise test findings with consistent compression force.
- Auto home after test completion.
- 4 nos load cells for accurate test results.
- Auto home after test completion

Contact us:

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Since we are continuously improving and upgrading the equipment, the design and specifications of all models featured here are subject to change without notice.

Specifications:

Technical Specifications Info “Box Compression Tester”	
Machine Type	Compression
Usage/Application	Packaging, Industrial
Capacity	1000/2000/3000/4000/5000 Kgf (as per customer requirement)
Power	220V, Single phase, 50 Hz
Test Platform Size	600mm × 600mm, 800mm × 800mm, 1000mm×1000mm, 1000mm×1200mm,
Test Speed	12.5 ± 2.5 mm/min
Motor	1 HP Three Phase, 1350 rpm
Standards	ASTM D642, ASTM D4169, TAPPI T804, ISO 12048, and JIS Z0212
Least Count	200 gm
Display	HMI Touchscreen Display
Brand	Effective Lab India

Our Other Special Products:



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