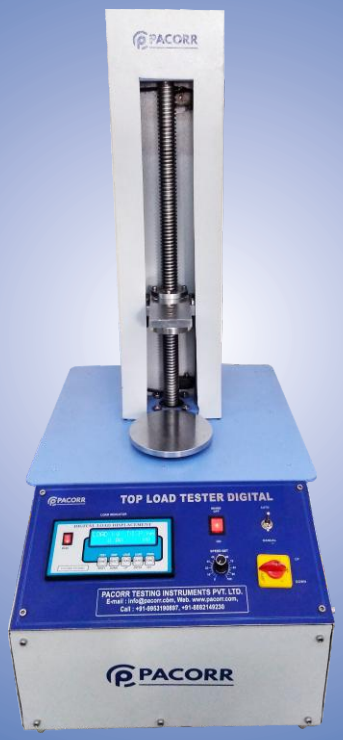
Top Load Tester



Product Info :

Top Load Tester is used to measure the buckling strength of PET bottles or containers. The equipment can recreate the real-life compressive load a PET bottle can experience during storage or in transportation. The machine helps the user to evaluate the capacity of a bottle specimen against vertical compressive load.

PET / Plastic bottles containers are the most reliable packaging in the beverage industry. Due to its higher strength, material flexibility and non-reactive nature, it is used by a maximum number of beverage manufacturers. Such a situation leads to higher production demand and increasing competition. To stand out from the crowd, one must ensure producing a high level of quality. While producing PET bottles one must ensure of several factors that a client might judge upon. One of these major factors is the Buckling Strength of Bottles. Buckling strength is the load value under which a bottle will fail to resist vertical compressive force and eventually starts bending. This same situation is experienced by the bottles while they are stored one over the other, or they are stacked in vehicles during transportation. The bottles that are placed below take an extreme load on them and must be strong enough to avoid buckling. If the bottle at last bends, even an inch, it can result in the falling of all the bottles and lead to huge damage.

In addition to this, PET / Plastic Bottles carrying aerated drinks in them are already filled with pressurized gas and are facing pressure from inside, in this scenario if they fail to resist the vertical load these bottles can bring dangerous falls and damage to even people around.

TECHNICAL DATA :

- Model no.: PCTLSC-1
- Load capacity: 0 to 100 Kgf.
- Size of compression plates: 140 mm x 120 mm
- Speed: Variable (20 mm/0 to 200 mm) or as per client requirement
- Accuracy: ± 0.05% of load
- Resolution: 0.1 Kg
- Compression display: Least count of 0.1 mm
- Power Requirement: 220V AC, 50Hz
- Test results can be evaluated in Kgf

FEATURES :

- A user-friendly tabletop model allows the user the flexibility of using it at any location, production line or testing lab
- Equipped with variable frequency drive to accurately control the speed variation.
- Microprocessor-based load indication ensures a high level of precision in test results.
- Can automatically record the peak load value during the test process.
- Crosshead travel protection provided with limit switches for user safety
- Protects against overload, excess compression and exceeding voltage.
- Built with a heavy-duty frame structure that delivers long-run performance at any location and can withstand various climatic conditions.
- Painted with powder coating to deliver protection against rusting.

Our Valuable Customer

Pacorr Testing Instruments Pvt. Ltd.
11/15, Site-4 Industrial Area, Sahibabad, Ghaziabad- 201010 Contact No: +91-8882149230, Email Id: info@pacorr.com