

#### **Box Compression Tester**

An equipment to test the stacking load carrying capacity of corrugated cartons.

Top to bottom compression strength of corrugated cartons is the most appropriate performance specification related to stack-ability characteristics and is the index of the overall quality of the carton.



#### **Technical Specifications / Special Features:**

- Electro-Pneumatic model (Runs on Compressed Air)
- Digital Model with Backlit LCD Display for easy readability
- Direct Display of Load / Collapsing Force. No Calculations Required.
- Auto-stop upon completion of Test.
- Testing Principle : Constant Rate of Loading
- With non-destructive testing facility for cartons at predetermined load. Unlimited programmable memories.
- Capacity: 1000 kgf
- Suitable for a Testing Range of : 10 - 1000 Kg
- Least Count / Resolution : 1 Kg.
- With auto-calibration facility at 100 Kg

#### **Utilities Required :**

- Power Supply : 110 / 220V, 50/60 Hz, 5 Amp
- Compressed Air : 5 - 6 kg/cm<sup>2</sup>
- 100 Kg Cast Iron weights (For calibration)

#### **Platform Size :**

Standard Platform Size : 900 x 750mm Approx. (Max. carton size 875 x 725 x 875mm)

Small Platform Size : 600 x 600mm Approx. (Max. carton size 575 x 575 x 575mm)

Note : Other sizes, capacities and models also available.

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## Box Compression Tester

An equipment to test the stacking load carrying capacity of corrugated cartons.

Top to bottom compression strength of corrugated cartons is the most appropriate performance specification related to stack-ability characteristics and is the index of the overall quality of the carton.



Model # U1000-S

### **Technical Specifications / Special Features:**

- Fully Computerised.
- Electro-Mechanical model
- with Ball Screw + Linear Guide mechanism.
- with floating + lockable top platen.
- Digital Model with Backlit LCD Display for easy readability
- Direct Display of Load / Collapsing Force. No Calculations Required.
- With Digital Compression / Deflection display.
- Auto-stop upon completion of Test (Sample Failure)
- Auto-stop upon completion of Test (Load or Deflection Setpoint achieved)
- Auto-stop upon Over-Load.
- Testing Principle : Constant Rate of Travel
- With non-destructive testing facility for cartons at predetermined load. Unltd programmable memory.
- Capacity: 1000 kgf
- Suitable for a Testing Range of : 10 - 1000 Kgf
- Least Count / Resolution : 0.1 Kgf.
- With auto-calibration facility at : 100 Kgf

### **Benefits of Ball Screw design :**

- 1) Very low friction
- 2) Very low wear & tear of moving parts.
- 3) Very low noise level.
- 4) Minimal Maintenance (only slight greasing of screw is required every 6-12 months).

### **Platform Size :**

Standard Platform Size : 1000 x 1000mm (Max. carton size 950 x 950 x 950mm)

Small Platform Size : 600 x 600mm (Max. carton size 550 x 550 x 550mm)

Note : Other sizes, capacities and models also available.

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