

Touch Screen Box Compression Tester

The PCBCT-1000H Touch Screen Box Compression Tester evaluates the vertical compression resistance of corrugated boxes, cartons and complete packages. Its PLC-controlled cycle, HMI touch screen, four-load-cell measurement arrangement and variable-speed drive provide controlled operation with live load and displacement display. The machine offers a capacity of up to 1000 kgf, a 1000 × 1000 mm platform, programmable test profiles, USB communication and automatic force- or deformation-based stopping.

Specification

- Model: PCBCT-1000H
- Maximum capacity: 1000 kgf (10 kN)
- Platform size: 1000 × 1000 mm
- Maximum box accommodation: 1000 × 1000 × 1000 mm
- Load frame: Rigid double-column steel construction
- Controller: PLC
- Interface: HMI touch screen
- Display parameters: Live load, displacement and result
- Load measurement: Four load cells
- Least count/resolution: 1 kgf
- Force units: kgf, N and lb
- Speed range: 10–50 mm/min, variable
- Typical standard speed: Approximately 12.5 ± 2 mm/min, where specified by the method
- Drive: Induction motor with drive
- Memory: Programmable storage and retrieval of multiple profiles
- Data output: USB PC communication and compatible software integration
- Auto-stop: At programmed force or deformation limit
- Protection: Overload and over-travel protection
- Power: 220 V AC, single phase, 50 Hz
- Referenced methods: ASTM D642, ISO 12048, ASTM D4169 and TAPPI T804



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Key Features

- PLC-managed automated compression cycle
- Touch-screen parameter entry and live monitoring
- Four-load-cell force-measurement configuration
- Programmable and retrievable test profiles
- Variable-speed platen movement
- Selectable kgf, N and lb units
- Automatic endpoint control
- USB connectivity for compatible software
- Large specimen platform
- Rigid double-column construction
- Sensor and travel safety protection

Our Valuable Customer



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