BOX COMPRESSION TESTERS

BCT-01 Box Compression Tester



Application
BCT-01 Box Compression Tester is professionally used to test the compression resistance property of carton box, corrugated box, honeycomb cardboard box and other packaging. And it's also applicable to container compression test of plastic bucket (edible oil, mineral water), fiber drum, carton, paper, cans; container barrels (IBC barrels).

Main features

• Minicomputer control; high-speed ARM processor; high automaticity, fast data collection, automatic testing and intelligent judgment.

• Three test methods: compression test; stacking test; press standard test.

• Screen dynamically displays sample No., sample deformation, real-time pressure and initial pressure.

• Servo motor control with high precision, low noise and high speed; accurate positioning and fast response.

• 24-bit high-precision AD converter (resolution up to 1 / 10,000,000) and high-precision weighing sensor.

• Travel-limit protection, overload protection, fault prompts and micro-printer.

• When connected with a computer, curves can be displayed and test data analysed, saved and printed.

Technical specifications

• Test Range: 20 KN, 50 KN (Optional)

• Accuracy: 1% of Reading Value

• Force Resolution: 1 N

• Deformation Resolution: 0.1 mm

• Pressing Plate: Parallelism between upper and lower pressing plate: ≤1 mm

• Test Speed: 5 mm/min, 10 mm/min

• Return speed: (1–60) mm/min

• Stroke: 700 mm

• Specimen Dimension: 600 mm × 600 mm × 700 mm

• Power Supply: AC 220 V, 50 Hz

• Standards: ISO 2872, ISO 2874

• Configuration: Mainframe, control cabinet, power line, connecting line, 4 rolls of printer paper; computer control system optional.

BCT-02 Box Compression Tester



Application
BCT-02 Box Compression Tester is professionally used to test the compression resistance property of carton box, corrugated box, honeycomb cardboard box and other packaging. And it’s also applicable to container compression test of plastic bucket (edible oil, mineral water), fiber drum, carton, paper, cans; container barrels (IBC barrels).

Main features

• Microcomputer control with an 8-inch touch-screen operation panel and high-speed ARM processor.

• Three test methods: maximum compressive force; stacking; pressure standard test.

• Screen dynamically displays sample number, sample deformation, real-time pressure curve and initial pressure.

• Open structure design, double lead screws and double guide columns, with reducer-driven belt transmission.

• Servo motor control with high precision, low noise and high speed.

• 24-bit high-precision AD converter (resolution up to 1 / 10,000,000) and high-precision weighing sensor.

• Travel-limit protection, overload protection, fault prompts and micro-printer.

Technical specifications

• Test Range: 1 kN, 5 kN, 10 kN (optional)

• Accuracy: Class 0.5, Class 1 (optional)

• Force Resolution: 0.1 N, 1 N

• Deformation Resolution: 0.01 mm

• Pressing Plate: Parallelism between upper and lower pressing plate: ≤1 mm

• Test Speed: 1–300 mm/min (stepless speed adjustment)

• Return speed: 1–300 mm/min (stepless speed adjustment)

• Stroke: 500 mm

• Specimen Space: 600 mm × 600 mm × 500 mm

• Power Supply: AC 220 V, 50 Hz

• Dimension: 1000 mm × 600 mm × 1200 mm

• Standards: GB/T 4857.4, GB/T 4857.3, ISO 2872, ISO 2874, QB/T 1048

Note: BCT-02 specifications were translated from the manufacturer's Chinese-language listing; confirm the exact English wording and configuration with the supplier.

BCT-03 Box Compression Tester



Application
BCT-03 Box Compression Tester is professionally used to test the compression resistance property of carton box, corrugated box, honeycomb cardboard box and other packaging. And it's also applicable to container compression test of plastic bucket (edible oil, mineral water), fiber drum, carton, paper, cans, container barrels (IBC barrels).

Main features

• Minicomputer control; high-speed ARM processor to ensure high automaticity, fast data collection, automatic testing and intelligent judgment.

• Three test methods: compression test; stacking test; press standard test.

• Screen dynamically displays sample No., sample deformation, real-time pressure and initial pressure.

• Servo motor control with high precision, low noise and high speed; accurate positioning and fast response.

• 24-bit high-precision AD converter (resolution up to 1 / 10,000,000) and high-precision weighing sensor.

• Travel-limit protection, overload protection, fault prompts and micro-printer.

• Computer connection supports curve display, data analysis, saving and printing.

Technical specifications

• Test Range: 20 KN, 50 KN (Optional)

• Accuracy: 1% of Reading Value

• Force Resolution: 1 N

• Deformation Resolution: 0.1 mm

• Pressing Plate: Parallelism between upper and lower pressing plate: ≤1 mm

• Test Speed: 1–300 mm/min (infinitely variable speeds)

• Return speed: 1–300 mm/min (CVT)

• Stroke: 1500 mm

• Specimen Dimension: 1200 mm × 1200 mm × 1500 mm

• Power Supply: AC 220 V, 50 Hz

• Dimension: 1560 mm × 1200 mm × 1950 mm

• Standards: ISO 2872, ISO 2874

• Configuration: Mainframe, control cabinet, power line, connecting line, 4 rolls of printer paper; computer control system optional.

Note: The manufacturer states that product images are for illustration and technical specifications may change without prior notice.