Box Compression Testers

Compression and constant-load stacking







10 kN / 20 kN / 50 kN

Test methods

ASTM D642

Compression resistance method for shipping containers, components and unit loads.

TAPPI/ANSI T 804

Compression method for corrugated or solid fiberboard shipping containers.

ISO 12048

Compression and stacking test methods for complete, filled transport packages.



The specimen is positioned between the lower and upper platens.

Model comparison

Model code	PW-BCT-10	PW-BCT-20	PW-BCT-50
Capacity	10 kN	20 kN	50 kN
Platen size	500 × 500 mm	800 × 1000 mm	1200 × 1200 mm
Installation	Benchtop	Floor-standing	Floor-standing
Front guard	Single door	Single door	Double door
HMI	7-inch	7-inch	7-inch







Illustrative packaging specimens

E-commerce and distribution

Compare the compression resistance of different carton sizes and closure configurations for the same product.

Food, beverages and consumer goods

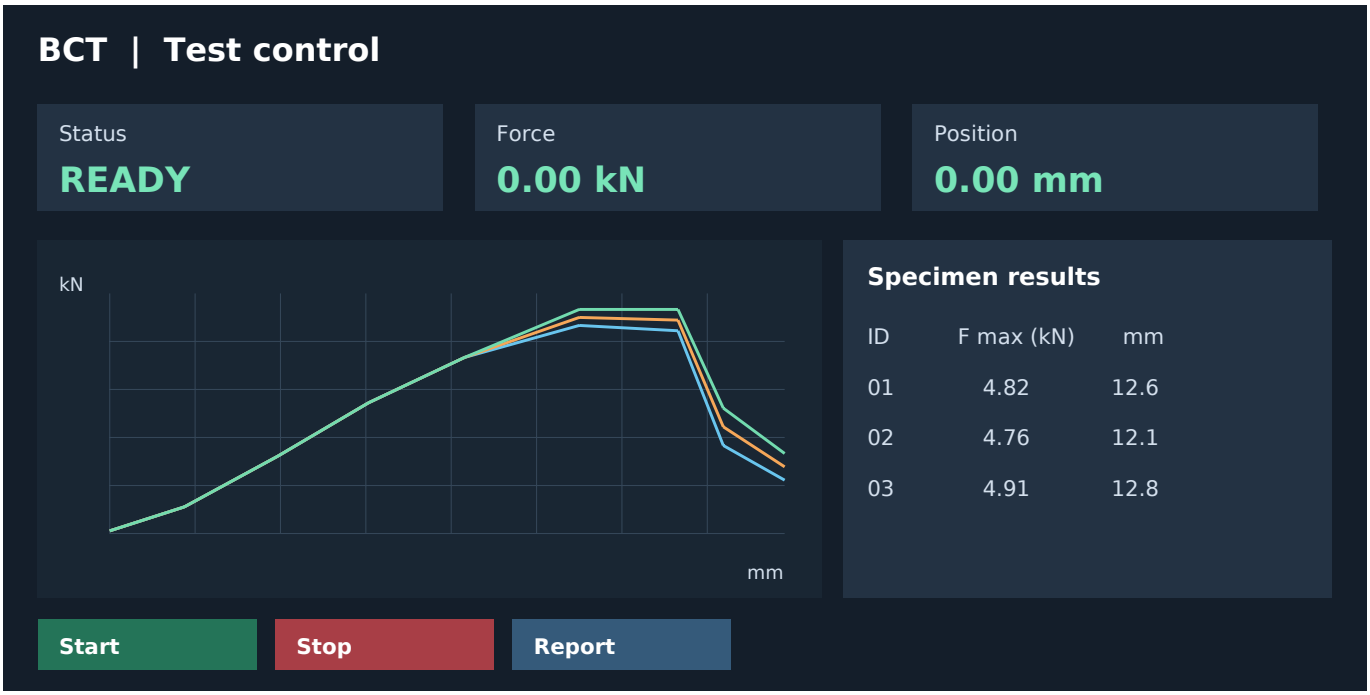
Test filled transport packs to assess how the product and internal dividers share the load.

Packaging production and logistics

Compare compression resistance and constant-load stacking behavior across carton geometries and corrugated board constructions.

PC software and reporting

Windows 10 / 11 (64-bit) PC connectivity via Ethernet and Modbus TCP.



Illustrative BCT screen • Demo data

Sample results report

Specimen	Test mode	F max (kN)	Position (mm)
01	Compression	4.82	12.6
02	Compression	4.76	12.1
03	Compression	4.91	12.8

A4 PDF / Excel / CSV

Test monitoring

Force–displacement monitoring for compression and force–time monitoring for stacking.

Reporting and export

Specimen details, test conditions, results and curves. A4 PDF, Excel and CSV output formats.

Control and delivery

7-inch touchscreen HMI

Select the test mode from the side-mounted touchscreen. The emergency stop is below the display.

Constant-load stacking

Standard on all three models, this mode holds the selected load for the configured duration.

Standard delivery

Tester, upper and lower platens, front guard and 7-inch HMI console.

Contact

prowhite.com.tr

info@prowhite.com.tr

+902126710503

WhatsApp

PROWHITE Teknoloji A.Ş. • Esenyurt / İstanbul