Box Compression Tester   *P Series*

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 :
- Digital Model with Backlit LCD Display
- Electro-Pneumatic Model (Runs on Compressed Air)
- Auto-stop upon completion of Test.
- Testing Principle : Constant Rate of Loading
- Non-destructive testing facility for cartons at predetermined load.
- Optional facility to capture test data on to the PC directly through the software and generate PDF test & calibration reports.
- Peak hold facility for registration of maximum compression force.
- **Auto-Calibration facility for user-friendly calibration.**
- Choice of Measurement units : Kgf / Lbf / N (User settable from Menu)

Included with all models / SKUs :
>   1) Air Filter + Pressure Regulator.

DQ/IQ/OQ Documentation are supplied with certain models.

RS-232 Data Cable with USB-Serial Convertor are supplied with models / SKUs with software.

Software Options :
>   1) No Software
>   2) Regular Software (Not 21-CFR-11 Compliant)
>   3) 21-CFR-11 Compliant Software (*Vantage*).

Warranty :   12 Months (Ex-Factory)

Utilities Required :
1. Power : 230/110 Volts A.C., 50/60 Hz. Clean power.
2. Calibration weights.
   For models with software
3. Desktop / Laptop PC (Intel Core i3, 4gb RAM, Win10 OS, 1080p Monitor) or higher.

How to Order?

Step 1 : Choose Capacity of the loadcell.

Loadcell Selection	Unit	500	1000
Capacity :	Kgf	500	1000
	N	4900	9800
	Lbf	1100	2200
Working Range :	% of Cap.	10 – 100	10 – 100
	Kgf	50 – 500	100 – 1000
	N	490 – 4900	980 – 9800
	Lbf	110 – 1100	220 – 2200
Least Count :	Kgf	0.5	1
	N	5	10
	Lbf	1	2
Accuracy :	% of Cap.	0.2%	0.2%
	Kgf	10	20
	N	100	200
	Lbf	20	40
Calibration Weight Required :		50 Kgs (20 + 20 + 10)	100 Kgs (20 kg x 5 pcs)

Step 2 : Choose Platform Size.

Platform Size	Dimensions	Max Carton Size
S – Small	600 x 600 mm ~ 24 x 24 inch	575 x 575 mm ~ 23 x 23 inch
M – Medium Available in only with 1000 Kgf Loadcell option.	900 x 750 mm ~ 36 x 30 inch	875 x 725 mm ~ 35 x 29 inch
L – Large Available in only with 1000 Kgf Loadcell option.	1000 x 1000 mm ~ 40 x 40 inch	975 x 975 mm ~ 39 x 39 inch

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Step 3 : Select Part Number / Equipment SKU

Region	Industry	-	Equipment	-	Series	Loadcell	-	Size	-	Software
D	N		BCT		P	500		S		NS
E	P					1000		M		RS
								L		CS

	Options	Description
Type	D	Domestic Model For Sale in India only. Warranty / Support valid only in India
	E	Export Model for Sale outside India only. Comes with a set of emergency spares. International Quality / Warranty / Support.

Industry	N	For Food / Beverage / FMCG Industry. Non-Pharma.
	P	For use in Pharmaceutical Industry. DQ/IQ/OQ documents are provided with machine.

Equipment - Series	BCT-P	Box Compression Tester – P Series

Loadcell	500 or 1000	500 Kgf or 1000 Kgf

Size of Platform	S or M or L	600 x 600mm or 900 x 750mm or 1000 x 1000mm

Software	NS	No Software. No RS-232-Port. No Data Cable.
	RS	Regular software. (Not 21-CFR-11 compliant) RS-232 Data Cable with USB-Serial Convertor is provided.
	CS	21-CFR-11 compliant software. (*Vantage*). RS-232 Data Cable with USB-Serial Convertor is provided.

Write down the part code / SKU you need :

Region	Industry	-	Equipment	-	Series	Loadcell	-	Size	-	Software
		-	BCT	-	P		-		-	

Select the Equipment Part Code (SKU) and request for a quotation by sending an email to info@packtest.com

You can also use the [product selector](#) on our website and send us an enquiry directly from there.

Visit us at www.PackTest.com

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Sr No.	Feature	Regular Software (Not 21-CFR-11 Compliant)	Vantage Software (21-CFR-11 Compliant)
1	User Login	No Login. Any user can access the software.	Unlimited Users with individually configurable privileges Incorrect Logins are logged. If user enters 3 wrong passwords, user is SUSPENDED and cannot login again even with correct password. Event is logged as Critical. Only an admin (or user with appropriate privileges can Un-Suspend the suspended user. Auto - Logout after 15 mins of inactivity. (Timeout period can be defined) Auto - Shutdown (software) on inactivity. (Auto-Logout will also trigger Auto-Shutdown)
2	User Rights / Privileges	Any user can : 1) Perform Test 2) Search Test 3) Calibrate Machine 4) Configure Software	Software Admin or any user (with Modify user privileges) can create unlimited users with any of following privileges. 1) Perform Test 2) Search Test 3) Calibrate Machine 4) View Audit Trail 5) Add / Edit / Delete users (User Management privilege) 6) Configure Software 7) Review and Approve Test / Calibration reports
3	User Levels	NA	Unlimited Users with Unlimited variable privileges. User List (summary or detailed) can be printed.
4	Software Configuration Options	1) Change Header	1) Change Test Folder 2) Change Backup Folder 3) Set Auto Backup On/Off 4) Set Auto Backup Frequency 5) Set Password Expiry On/Off 6) Set Password Expiry Time (Days) 7) Change Header
5	User Password Expiry / Change	NA	Upon user first login, user has to change password immediately. User can change his/her own password anytime. Users must change password after expiry date. Password expiry time can be defined in software config.

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6	Password Complexity	NA	Password should be 1) 8-20 characters long 2) Has to contain alphabets, numbers and &%#$@. 3) Password should contain atleast 1 uppercase, 1 lower case and 1 special character 4) New password cannot be same as previous 3 passwords.
7	User Addition / Deletion	NA	User can be added or deleted by Software Admin or anyone who has User Management privilege. User cannot delete himself. No one can delete the SUPER USER.
8	User Suspension	NA	User can be suspended/un-suspended by Software Admin or anyone who has User Management privilege. Suspended user cannot login to software. If he tries to login, a Critical Audit Trail entry will be passed.
9	Data Storage	NA	Data is stored in an internal database. PDF reports are generated as and when demanded.
10	User Signature	User must type or select his / her name when the software starts.	User's details captured from the login is posted on the report "analysis done by" section.
11	Reviewer Signature	NA	Reviewer can login with his credentials, review and approve Test and Calibration Data. Once approved, the report will carry his E-Sign.
12	Backup Data	NA	If Autobackup is ON, software will automatically backup all configuration files and test data as per frequency chosen in Software Configuration. Note : Backup Location has to be a local drive or a network location mapped as a Local Drive.
13	Audit Trail Data	NA	Software captures important events and logs them in the audit trail log. A PDF report can be generated as and when required. Critical Events will be flagged separately. Audit Trail Report can be pulled for a date range or user or event.

14	Aborted Tests / Calibrations	NA	Aborted Tests and Calibrations are saved. These events are logged in Audit Trail as "Critical".
15	Ignore a Test Value	NA	No test result can be avoided from being reported. But the user can mark a particular result as abnormal. Abnormal results are not considered in statistical calculations but will still be shown in report. User needs to justify the Abnormal values (if any) in the remarks section. A test report can have 10 normal samples + up to 5 abnormal samples. Only normal tests will be used for statistical calculations.
16	Test / Calibration Report Format		Report Format is fixed in software. Not changeable by user.
17	Report Header	Text Header with 3 lines of Text.	Image Header with Logo or Text Header with 3 lines of Text.
18	Other Features	NA	Incorrect Shut Downs are logged in Audit Trail. Equipment ID is printed on all Test / Calibration / Audit Trail Reports Automatic Pre-Calibration Diagnostics of communication. Option of Pre-Analysis Diagnostics (10-15 seconds) to prevent communication errors. Enhanced data handling and communication with equipment.

FDA 21 CFR Part 11 COMPLIANCE with **VANTAGE Software**

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