

Stand Alone



BCT- BOX COMPRESSION TESTER

For the determination of compression resistance of boxes.

For:



MOST IMPORTANT BENEFITS:

- ✓ Sturdy frame with inside mounted pressure plates
- ✓ Upper pressure plate can be loose or fixed
- ✓ Automatic plate return after test
- ✓ External control interface for more safety

 **FRANK-PTI**
QUALITY TESTING INSTRUMENTS

SUBSIDIARY OF  *Flot Hansson*

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PRODUCT DESCRIPTION

The box compression tester is a robust base frame in which the two platens are mounted. The lower platen is fixed while the upper platen can be used as either fixed or rotatable, as required, by opening or closing the four fixing levers. Three sensors are mounted below the fixed platen to measure the force exerted and to detect the box breaking. Settable limit switches and the digital display and controls are mounted on the front of the unit.

TEST DESCRIPTION

A box, with or without content, is placed in the center of the lower platen. The controls are then used to set the parameters for the test and then the start button is pressed. The upper platen travels downwards at the preset speed. Measuring starts as soon as the upper platen touches the box and automatically stops as soon as a break is detected or the preset compression time has elapsed under constant exertion of force. Once measurement has stopped the upper platen travels back to the start position. The measured values can be read from the digital display.



BCT during test

TECHNICAL DATA

DEVICE / INSTRUMENT

- stable two-spindle compression tester for highest precision
- values and charts on graphical display
- preselection of saved test procedure with automatic return of the pressure plates to starting position
- buckling resistant, heavy model
- separated in test system and base frame for easier transport

APPLICABLE STANDARDS

DIN EN 22872	ISO 11093-9
ISO 12048	*more standards on request
TAPPI T 804	
UNE 57163/5	
FEFCO No. 50	
AFNOR H 13-001	

MEASUREMENT

Test speed:	1 - 450mm/min
Max. travel way:	900mm inclusive plates
Test force:	10 - 50KN standard machines Special sizes up to 300KN
Test space dimension:	Length x Width x Height
600cm -Version	600 x 600 x 1250 mm
800cm - Version	800 x 800 x 1250 mm
1250cm- Version	1250 x 1250 x 1250 mm
Measurement accuracy:	+ - 1% Warranty error limit of the force measurement 1% of the load capacity of the load cell in Range from 0.2% to 100%

SYSTEM

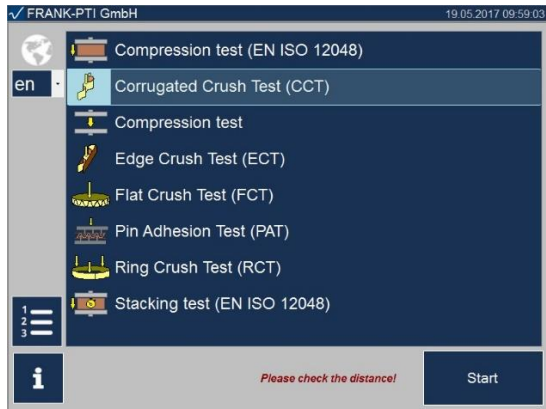
Nominal load:	10 bis 50 KN standard systems special systems up to 300 KN
Load cell resolution:	0,1N

CONNECTIONS

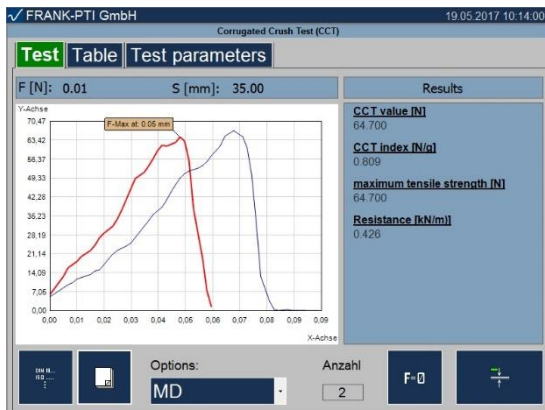
Power supply:	230V/50-60Hz
Water:	no
Compressed air:	no

DATA

RS232:	Data output
Ethernet:	Data output / MQTT
USB:	Updates / Service



Modifiable test programs



Graphical evaluation in real time



BCT control interface

DIMENSIONS

	L x H x W net
S185050000/1 with base frame	65cm x 195cm x 110cm 65cm x 247,2cm x 110cm
S185050003/4 with base frame	80cm x 195cm x 130cm 80cm x 247,2cm x 130cm
S185050006/7/8 with base frame	125cm x 195cm x 180cm 125cm x 247,2cm x 180cm
Weight:	
S185050000/1 with base frame	900kg 1050kg
S185050003/4 with base frame	1500kg 1660kg
S185050006/7/8 with base frame	1800kg 2000kg

ARTICLE / MODELS

S185050000	BCT Box Compression Tester 600 x 600 x 1250 mm incl. load cell 10kN
S185050001	BCT Box Compression Tester 600 x 600 x 1250 mm incl. load cell 30kN
S185051010	base frame BCT 600 x 600 mm
S185050003	BCT Box Compression Tester 800 x 800 x 1250 mm incl. load cell 10kN
S185050004	BCT Box Compression Tester 800 x 800 x 1250 mm incl. load cell 30kN
S185051011	base frame BCT 800 x 800 mm
S185050006	BCT Box Compression Tester 1250 x 1250 x 1250 mm incl. load cell 10kN
S185050007	BCT Box Compression Tester 1250 x 1250 x 1250 mm incl. load cell 30kN
S185050008	BCT Box Compression Tester 1250 x 1250 x 1250 mm incl. load cell 50kN base frame BCT 1250 x 1250 mm

*more sizes and load cells on request

Recommended Accessories:

S000000136	Extension Modul USB Printer (for Post Script and PCL printers) for printing results directly from the device
S406900001	ProbeNet software with one device license *requirements and information on request