



## Box Compression Tester (Computer Model)

GT-N02B



### **Application:**

**Box Compression Strength Tester GT-N02B** Type Compression Testing Machine with multi-function and high precision is designed to test the compressive strength of standard size corrugated box, or packages and containers made of other material with a compressive strength smaller than 100kN. With advanced mechanical structure of a pair of threaded shafts & guide pillars and imported motor for control, the testing machine has the following salient features: good parallelism, reliable measure precision and high return speed.

**Box Compression Tester** (Computer Model) is capable of various functions for all parameters in standards, Such as parametric test, display, memory, statistics and print function; data processing function to gain the statistical result of all parameters directly; and automatic reset and fault diagnosis function and easy operation.

### Carton Compression Test Standards:

ISO2872, ISO2874, ASTM D642, TAPPI T804

## Software Function

1. Test & Control System is designed for PC Electronic Universal Testing Machines, PC Hydraulic Universal Testing Machines and PC Compression testers.
2. Can conduct tensile, compression, bending, shearing, tearing and peeling test; use PC and interface board for data collection, preservation, processing and printing test result; can calculate max force, yield strength, average peeling force, max deformation, yield point, elastic modulus and other parameters.
3. Box Compression Testing Machine Can conduct curve graphics processing, multi-sensor support, video and image interface, flexible data processing, MS-ACCESS database support, making more powerful function of system.

## Feature

### Strength test

- Strength test which belongs to a destructive test is mainly used to measure the deformation when the sample is loaded with maximum pressure or crushing strength.

### Constant Value Test

- There are two parameters which are to be set in the constant value test: load force value and deformation value. The user can set one or both of them according to the practical requirement. the measure is complete when any parameter reaches the set value.

### Stacking Test

- Stacking Test is used to check up that whether the sample can endure a constant pressure in a given time period. Set up two parameters: compressive strength and testing time (hour).
- when the test starts, the system will check the current pressure at any moment to ensure the set value; the measure is complete when the test time is expired or the deformation value exceeds the set one within testing time.

The overall system is in good parallelism, stationarity and high return speed.

## Key Specifications

Model	GT-N02B					
	GT-N02B-1	GT-N02B-2	GT-N02B-3	GT-N02B-4	GT-N02B-5	GT-N02B-6
Plate Size(mm)	500 x 500	600 x 600	800 x 800	1000 x 1000	1200 x 1200	1500 x 1500
Max Stroke(mm)	500	600	800	1000	1200	1500
Measuring Range	0-10KN, 20KN, 30KN, 50KN, 70KN, 100KN ( Option)					
Indication Error	±0.5%					
Test Speed	0.001-500mm/min, can set by computer, with up & down fast adjustment button of grips					
Force Unit Switch	Kgf, N, lbf, g, ton, Mpa					
Display	Computer display mode					
Stop Mode	Overload stop, emergency stop button, specimen damage automatic stop, upper & lower limit set automatic stop, automatic reset function					
Machine Drive	Servo motor drive, synchronous wheel and precision ball screw drive					
Power Supply	AC 220V 5A 50HZ					