QC-121M2F (20kN.50kN)
Carton Compression tester

Description

This model is designed for test in common corrugated carton or other materials package container to proceed with whole carton compression strength test. To prevent package carton strength is not enough during transport, stack, stock and moving and cause product deformation or damage in these inappropriate treatment conditions.

Go with new design of M2F controller and 7 -inch of TFT Color touch screen. It can do the test in standalone-model.

Various units can be modified in accordance with the needs of users. When using it, it can display the real-time data and record a short time testing data. Data can be restored and exported to EXCEL sheet for further analysis by USB, or the special software can also be an alternative option for proceeding with further data analysis

Through Windows 7/8 of Person computer. The software with multi-languages is very easy to operation. It also has all kind of metric units, real-time graphs and also provides complete analysis test data which finish test can do variety of material analysis. The report configuration can be modify after test.

Industry

Paper

Appearance

Specification

Model	QC-121M2F (A type)	QC-121 M2F (B type)	QC-121 M2F (C type)	QC-121 M2F (D type)
Test space	100×100×90 cm	120×120×100 cm	100×100×90 cm	120×120×100 cm
Max.capacity	2000 kg (20kN)		5000 kg (50kN)	
Units exchange	Force: gf, kgf, lbf, N, kN, ozf, tonf(SI), ton(long), tonf(short) Stress: Kpa, Mpa, psi, bar, mm-Aq, mm-Hg			
Force Resolution	31 bits			
Force Precision	1/100,000			
Stroke resolution	0.0001mm			
Speed range	Low speed mode 0.0002 ~ 0.95 mm/min			
	High speed mode 0.015 ~ 300 mm/min			

PC-port	TCP/IP			
Data sample rate	1200hz(Max.)			
Hardware safety protection	upper limit, lower limit, emergency stop			
Motor Type	Servo motor			
Feature	※ upper plate can be movable and fixed. A movable upper plate adopts a versatile design to coordinate the test objects to adjust the plane automatically. A fixed upper plate can be adjusted in a way parallel with lower plate. ※ connect with 7 -inch of TFT Color touch screen ※ real time display testing curve diagram ※ one set of stress sensor ， one set of load sensor and 2 sets of Encoder ※ can store testing data via USB ※ can be operated via screen or via optional software computer. ※ equip with overload and over displacement protective detection ※ quick-release controller, increased ease of maintenance and replacement			
Power	Single phase 100 ~ 240VAC			
Dimension	156×100×176 cm	156×100×181 cm	176×120×176 cm	176×120×181 cm
Form of upper plate	Movable and fixed form based on test requirement			
Weight	800 kg	900 kg	850 kg	950 kg

Displayer

1. Adopted with 7- inch of TFT Color touch screen
2. Chinese, English, Japanese, Three different languages can be selected.
3. Data Display: Force, Stress, Torque, Displacement, Time
4. Test setting, can set test speed, test direction, automatic position return, breaking point machine stop.
5. Data analysis, can read the maximum force, internal force, breaking point force and so on.
6. Can be stand-alone calibration.
7. Various machine shutdown conditions setting (force, displacement, time, elongation).
8. Can be restored to the original factory state.
9. Unit selection can be Metric unit,

Imperial units

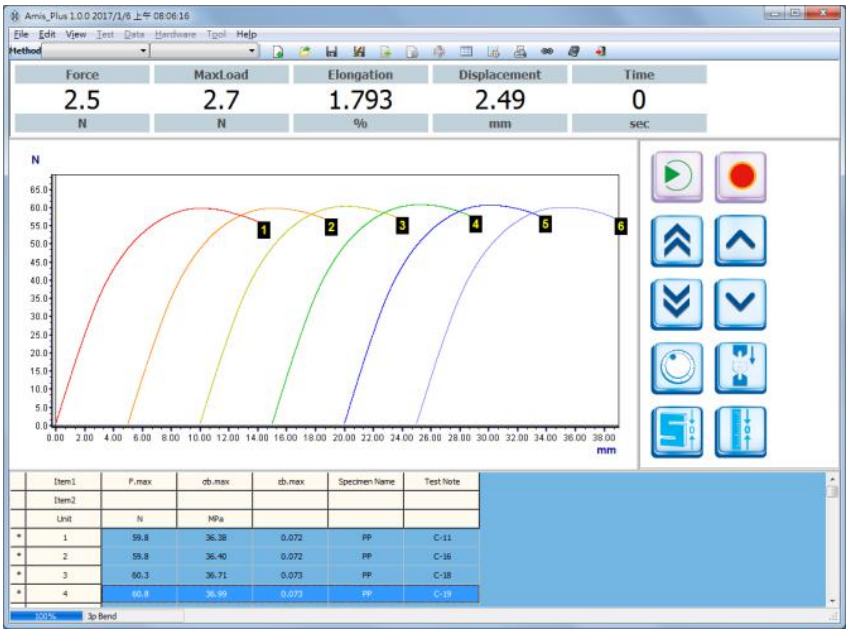
10. Over-travel, overload protection and overtime machine stop
11. Can store up to 50 data, USB storage data function.
12. Support multiple sets of signal sources.

Software function

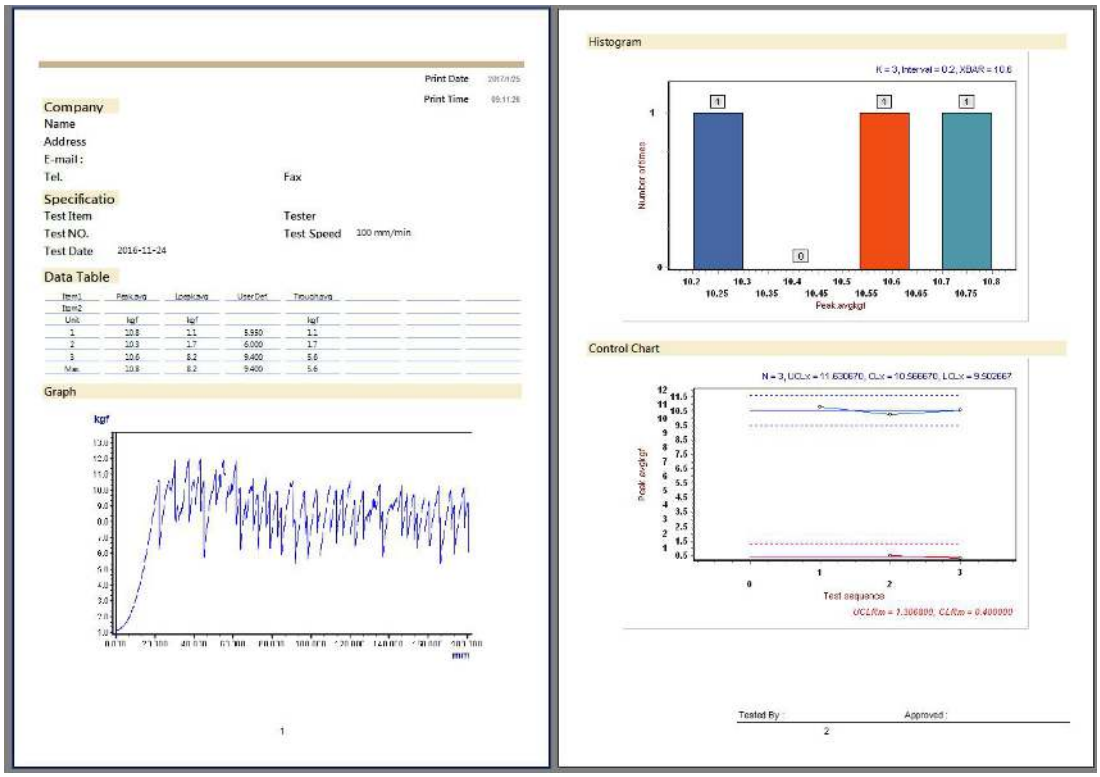
1. Data sample rate faster can be set up to 1200 Hz
2. Operation method: By keyboard and mouse control test, can also through up and down button to adjust the fixture position
3. Compatible with Window 7 /8 system
4. Software has multi-languages with Chinese, English, Japanese, Korean and Spanish display
5. Operating mode: TCP / IP interface, two-way transmission, the computer directly control the machine action
6. Can import multiple test data display simultaneously.
7. Unit selection can be Metric unit and Imperial units.
8. Form flexibility, self-planning information analysis.
9. Data name can be self-set and can self-defined formula
10. Test Screen can be selected data display, graphic display or simultaneous display
11. Data processing: store, call, list, statistical comparison, etc.
12. Graph X-Y axis physical quantity adjustment, graph-specific mark, interval mark, slope and son on.
13. Test tensile, compression, bending, peeling, spring, creep and other tests
14. Software protection: Overload, over -displacement, over-time protection
15. Variety of test actions, ex. reciprocation, creep, hold tensile (compression), test pause, slip test, etc.
16. Modularization of specimen setting, providing easy to set specimen.
17. Modularization of test conditions to reduce artificial setting negligence and error.
18. Key data capture, can set the upper and lower limits of test data specifications
19. Support multiple sets of I / O signals, increase testing mechanism

Software

Software interface



Report



Related Products

1. QC-115/116 Bursting Strength Tester
2. QC-113A Pneumatic Type Drop Tester
3. QC-105C Spherical-Stress Sample Notcher
4. QC-506 Paper Test Tester (ECT/BCT/RCT)
5. QC-PS Cutters for Circular Sample

*Cometech reserves ultimate modification right of product specification.

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