Cometech
Testing Machines

UNIVERSAL TESTING MACHINE

DAS-1043-M010
LCD Monitor Carton Packaging Compression Tester (20KN)

Standard

ISO 12048   ISO 2872   ASTM D4169   TAPPI T804   GB T4857-4   JIS Z212

Description

This model is designed for test large LCD screen packaging materials such as Styrofoam or other materials package container to proceed with whole carton compression strength test. Load measuring adopt three point bottom plate induction, large size and capacity can be customized to make servo system more accurate.

Besides, we also provide the software as optional purchase, the software can connection to control machine to proceed with various tests and analysis, it also can show test force and displacement of diagrams simultaneously during test.

Industry

Paper, packaging material, transport

Appearance

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Specification

Model	DAS1043-M010	DAB1010-M010
Test space	2700(L)x1800(W)x1500(H)	1800(L)x2600(W)x1600(H)
Max.Capacity	5000 kg(50kN)	2000 kg(20kN)
Unit switch	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	
Test speed	Low speed mode 0.0001 ~ 0.95mm/min High speed mode 0.015 ~ 300mm/min	
Hardware safety protection	Up/down limit, emergency stop button protection	
Motor	Servo motor	
Feature	Upper compression platen with universal design matching with testing subjects that automatically adjust flat surface	
PC-port	RJ45(TCP/IP)	
power	Single phase 200 ~ 240VAC	Single phase 200 ~ 240VAC
Dimension of machine	2700(L)x2590(W)x2400(H)	1800(L)x3261(W)x2600(H)
Weight	Approx.2100kg	Approx.2600kg

Optional Accessories

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, interval 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.

Universal Testing Machine

Load	Max. Load	Disp.
593.0	630.0	60.00

Time
60.000

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 /10 systems.
4. Software has multi-languages with Chinese, English, Japanese, Korean, Spanish, Polish and Portuguese 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

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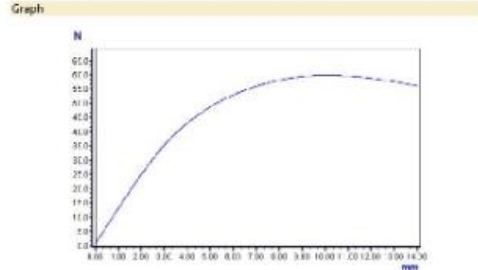## 軟體介面 Software interface

(1) Report

Specification

Test Item	ASTM D790	Tester	Kevin
Test NO.	001	Test Speed	1.3 mm/min
Test Date	2016-07-01	Test Time	15:52:10
Gauge Length	1 mm	Section Area	40.192 mm^2

Data Table

Test	F max	strain	stress	Specimen Name	Test Note
	N	MPa			
1	580	3018	0.072	PP	C 03
2	610	3649	0.073	PP	L-05
3	615	38/1	0.073	PP	L-04
4	600	3099	0.073	PP	C 10
Mean	602	3562	0.073	-----	----

Graph

(2) Software interface