



Industry

Paper, Tape, Electronics, Medical, Package

Feature

- Autocratically reading load cell and displacement sensor feature information
- Digital speed setting
- Equipped with 7" TFT color touch screen, able to support real-time test curve diagram display
- Automatically zero the test force
- Break detection
- Automatic return
- Force overload protection
- Support stand alone operation or choose the optional software to test and analysis
- Test condition modularize
- Able to add the optional printer

Description

QC-548D2 is the table type universal material testing machine which is equipped with 7" touch color screen for stand alone operation. User can also add the micro printer additionally to print out the real-time result. It's a machine suitable for the product line and those who require quick testing.

Our exclusive motor control and calculus system can increase the DC motor's control efficiency and make its ability nearly the same as servo motor. The machine will auto modify the rotating speed to reach the best speed performance. The digital type speed setting and one key test start function will highly improve the operation convenience and efficiency.

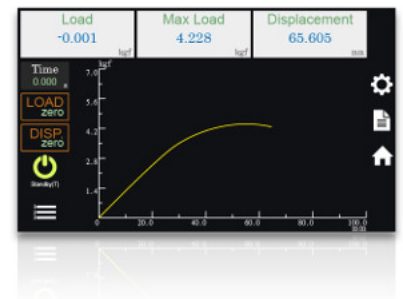
The optional software can connect the PC to operate the tensile, compression, bending, peeling and other various tests and analysis. It can support with not only different languages mode but also the metric/imperial units switching. The software can help to provide a complete analysis functions and the test module.

Specification

Model	QC-548D2		
Size	S (50× 50 × 105 cm ; 65 kgf)	M (50× 50 × 145 cm ; 80 kgf)	L (50× 50 × 175 cm ; 100 kgf)
Test Stroke (without grips)	400 mm	800 mm	1100 mm
Max. Capacity	5 kN		2 kN
Force Resolution	23 bits		
Force Precision	1/10,000		
Stroke Resolution	0.0125 mm		
Cantilever Distance	80 mm		
Speed Range	8 ~ 550 mm/min (digital type setting)		
PC-Port	RJ45(TCP/IP)		
Data Sampling Rate	Max. 1200Hz		
Motor Type	DC Motor		
Machine Rigidity	4.1 kN/mm		
Hardware Safety Protection	Upper/Lower Limitation, emergency stop button		
Power	Single Phase, 100 ~240VAC 5A		

Display

- Adopted with 7- inch TFT color touch screen
- Three different languages can be selected including Chinese, English and Japanese
- Data Display : Force, Stress, Torque, Displacement, Time
- Able to set hardware, test, units, information, protection, curve graph setting
- Support different units switching including Metric and Imperial units
- Display supports to store up to 50 data result
- Able to save the results by USB



	Load -0.001 kgf	Max Load 4.228 kgf	Displacement 65.605 mm
Time 0.000			
1	20.888	9.492	2.089
2	17.599	10.280	1.760
3	19.558	9.355	1.956
4	0.045	3.192	0.004
5	0.057	0.000	0.006

	Max Load kgf	Max. Displacement mm	Max. Stress kgf/mm ²	Max. Elongation %
1	13.829	21.468	1.383	107.337
2	17.595	20.205	1.754	101.025
3	13.108	12.852	1.311	64.263
4	10.474	21.583	1.047	107.913
5	11.929	25.560	1.193	127.800

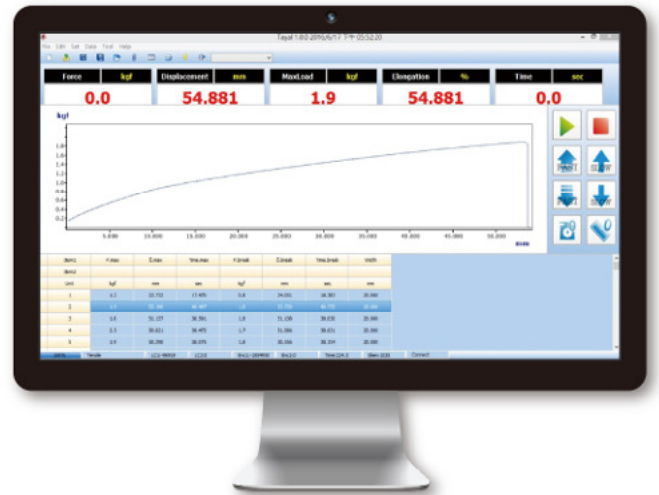
Navigation: Previous, Next, Delete, Test

Data		U1
Maximum Load	Yes <>	Max. Displacement
Maximum Stress	Yes <>	Max. Elongation
Break Load	No <>	Break Displacement

Navigation: Previous, Next, Finish, Cancel

Optional Accessories - Software Functions

- Data sampling rate can be set up to 1200 Hz
- Information analysis
- Compatible with Windows7/8/10 system
- Color touch screen can support different language display including Chinese, English, Japanese
- Interface: connect PC with TCP/IP
- Multi-curves display at the same time
- Various units including Metric and Imperial units
- Flexible form to manage database.
- Free to name the data file.
- Test page can support display test data value, curve graph or both
- Data processing : save, load, list and compare data
- Axis can be set as force, elongation, displacement, time, strain, stress and so on.
- Can support with tensile, compression, bending, peeling test and so on.
- Software supports with over-load, over-travel or overtime machine stop protection.



Optional Accessories - Extensometer



QC-557 Short Extensometer

Suitable for elongation below 50%



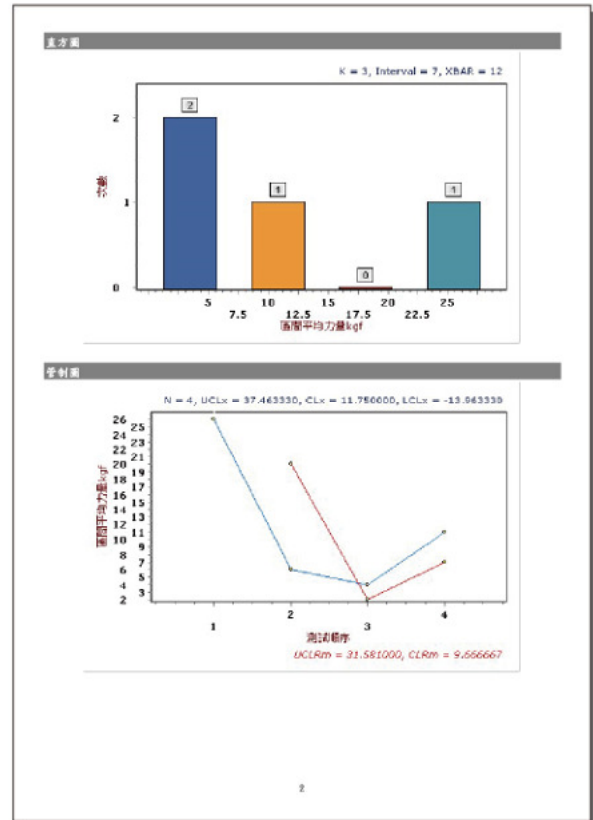
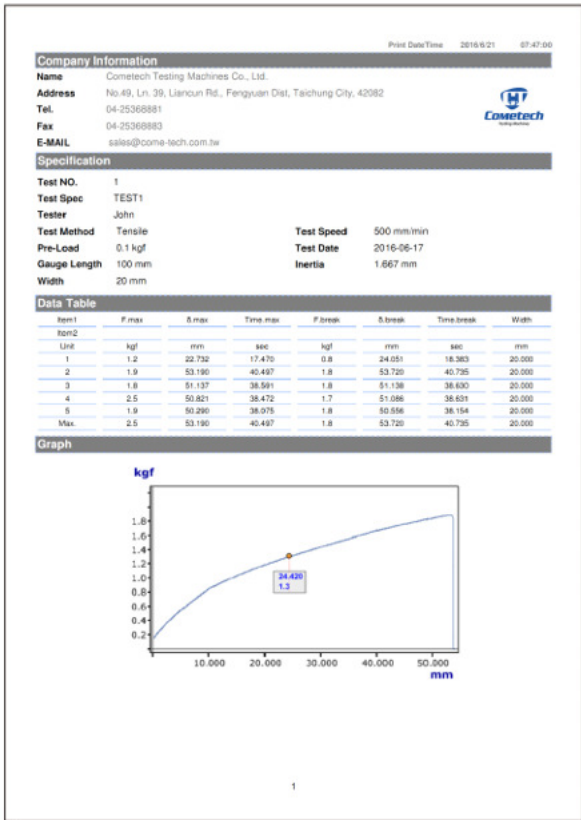
QC-551 Long Extensometer

Suitable for elongation over 20%



Printer

Able to directly print out results



*Cometech reserves ultimate modification right of product specification.

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