

**Standard**

ISO 7500-1, JIG475-88, ASTM E4, ASTM A370, DIN5122, JIS B7721/B7733, EN 10002-1, EN 1002-2, BS1610, GB/T228

**Industry**

Metal, Composite, construction material, Wood, Concrete, Wire and Cable



**Description**

This series is capable of tests with higher capacity. Tests conform to standards such as ASTM, ISO, JIS, GB. The hydraulic control offers constant stress, strain and speed. Its rigid and solid structure stabilizes the test and reduces corrosion. Standard accessories are tensile and compression grips, suitable for metal, composite material, architecture industry. The precise result and control meet user's requirement.

The separated design of mainbody and controller reduces technical problems such as electronic interference to prolong the machine's life. The M2F system is capable of performing various tests conforming to different standards.

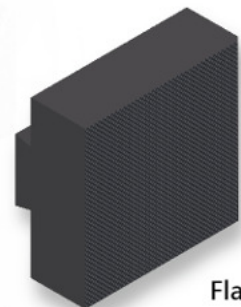
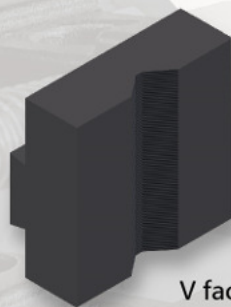
# Specification

Model	QC-958	QC-956	QC-954	QC-952
Max. capacity	300 kN	500 kN	800 kN	1600 kN
Units	Force: gf, kgf, lbf, N, kN, ozf, tonf(SI), ton(long), tonf(short)			
Force resolution	31 bits			
Force Precision	1/100,000			
Test Stroke(w/o grips)	600mm			
Stroke resolution	0.01mm			
Piston stroke	200 mm	250 mm	250 mm	250 mm
Space between columns	435 mm	565 mm	650 mm	700 mm
Speed range	0.5~50 mm/min			
Speed precision	±2%			
Maximum distance between tensile grips	650 mm	710 mm	790 mm	790 mm
Thickness of flat specimens	0~20mm	0~30mm	0~40mm	0~40mm
Diameter of circle specimens	10~32mm	13~40mm	20~60mm	20~70mm
Maximum distance between compression platens	570 mm	600 mm	680 mm	680 mm
Compression platen size	Ø235mm	240 x 240 mm	240 x 240 mm	240 x 240 mm
PC-Port	RJ45(TCP/IP)			
Motor type	Servo hydraulic control			
Power supply	3 phases 220 VAC or optional 3 phases 380V			
Dimension (mm)	680x520x2040	880x600x2360	950x700x2580	1100x800x2900
Electrical cabinet (mm)	850x700x900	850x700x900	850x700x900	850x700x900
Weight	1550 kg	2800 kg	4050 kg	6300 kg
Weight of electrical cabinet	Around 80 kg	Around 80 kg	Around 85 kg	Around 90 kg

## Accessories

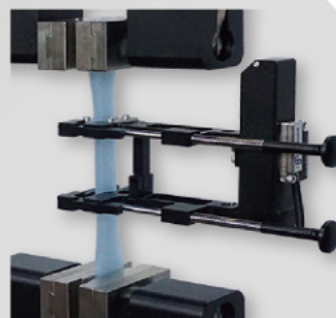
### Standard Accessories

Tensile Grips



### Optional Accessories

QC-557 Short extensometer which is applied in under 50% of elongation test.

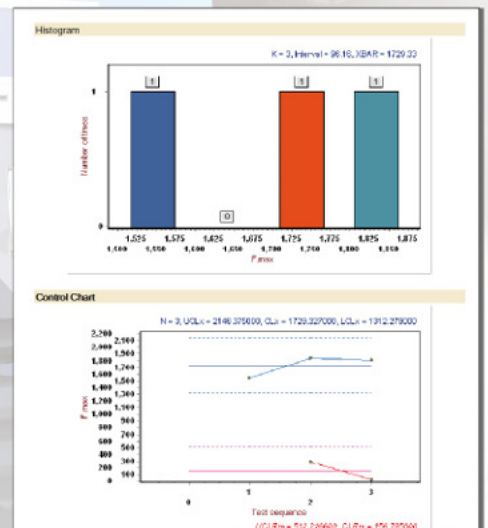
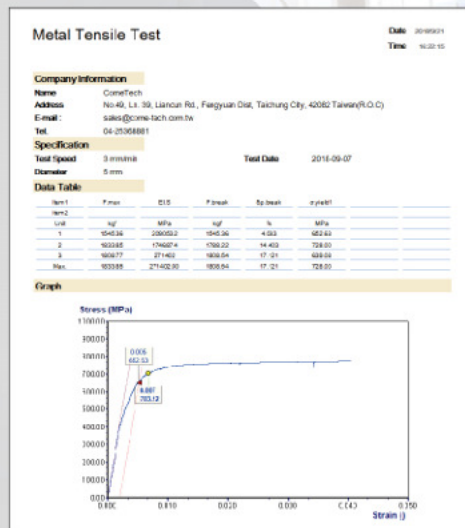


# Software function

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



## Software



\*Cometech reserves the right to modify specification of the product.

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