

# QC-677C

## Manual Thermo Molding Machine

### Industry

Rubber, Plastic

### Description

QC-677C has two independent heating platen and a manual oil cylinder pump to make the heating plates clamp. It can form the plastic or rubber material into a plate by stable pressurizing and heating for preparing development usage's sample, color-matching plate, flat specimens, etc.

QC-677C is equipped with F1C controller, which provides a simple setting interface, clear value display, temperature and test time for user easy understanding the test progress. Through the real status showing on the display, user can control the molding process and reduce the human operational error to produce specimens with stable quality.

### Related Products

- QC-603 Manual Specimen Punching Machine
- QC-603A Pneumatic Specimen Punch
- QC-603C Pneumatic Specimen Punch
- QC-677T Manual Thermo Molding Machine
- QC-674A Programmable Thermo Molding Machine

### Specification

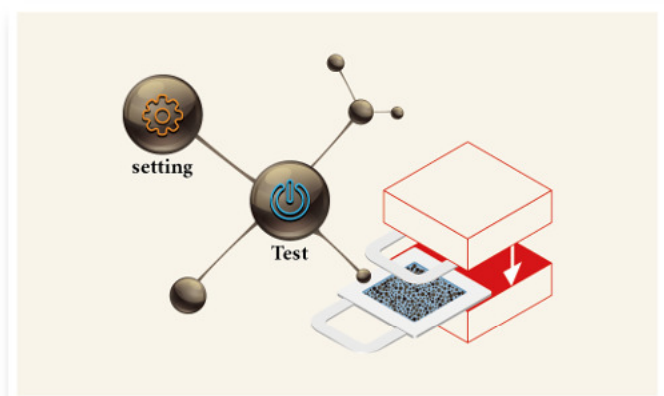
Pressure(Tons)	10, 20, 30, 50 (Tons), or specified capacity (5-100% of the max. capacity is the suggested test range)	
Units	Temperature: °C, °F Area: m <sup>2</sup> , cm <sup>2</sup> , mm <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup> Force : kgf, gf, tonf(long), tonf(short), lbf, ozf, kN, N, tonf(SI) Pressure: bar, kgf/cm <sup>2</sup> , KPa, MPa, mm-Aq(4°C), psi	
Temperature	Room temperature ~ 300°C	
Heating time	50°C→150°C takes 18mins	
Cooling method (optional):	A. water cooling, takes within 10 minutes to cool down from 150°C to 60°C. (depends on heating plate size) upper and lower heating plate cool down simultaneously; distribute heat evenly embedded cooling water pipe system; minimize safety concerns during operation allows disassembling of water cooling pipe; convenient for cleaning and future maintenance B. independent water chiller, the average cooling speed is 15°C per minutes.	
Size of heating plate	10, 20, 30 Tons : 25 x 25 cm	50 Tons : 30 x 30 cm
Distance between heating plates	60~100 mm ( adjustable)	
Piston stroke	Max. 80 mm	
Accessory	A set of mold for flat sheet size 200 x 200 x 2 mm	A set of mold for flat sheet size 250 x 250 x 2 mm
Control	7" touch screen	
Display	Instant force, temperature and diagram	
Power	Single phase, 220V/50Hz or 60Hz	
Dimension	60 x 65 x 140cm (WxDxH)	
Weight	10 tons : about 200 kg / 20 tons : about 250 kg 30 tons : about 300 kg / 50tons : about 350 kg	



## Interface Introduction

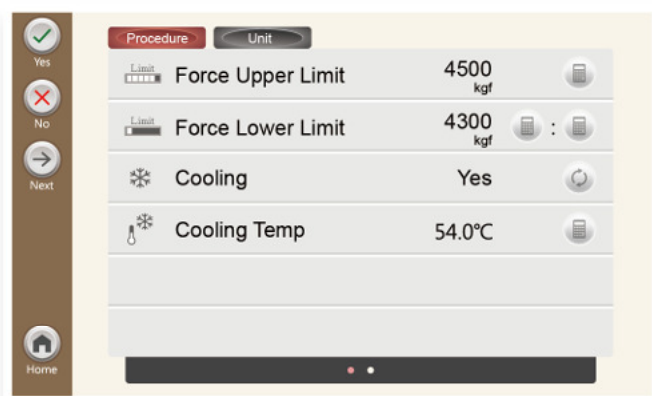
### Home Page

With a clear and simple home page for easier understanding and operation.



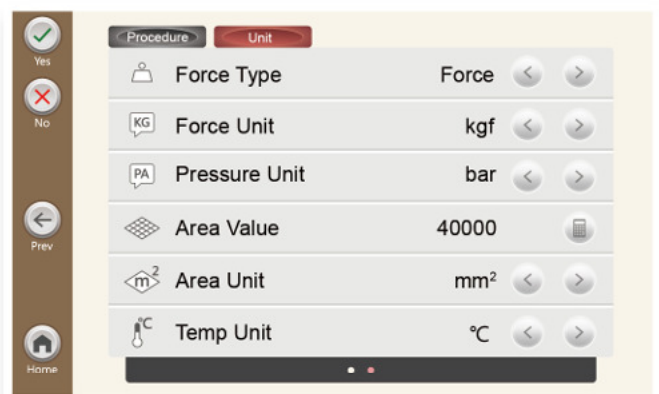
### Pressurization Setting

Able to set pressurization time, heating time, upper/lower limit pressure value and automatic cooling(optional).



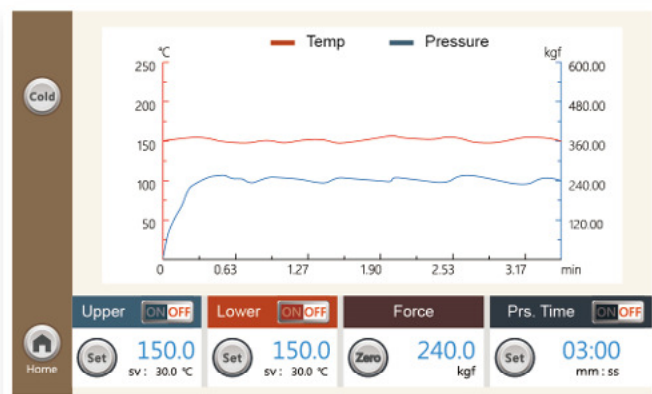
### Units Switch

Metric and Imperial units switching. Built-in system for auto calculating the mold pressure.



### Curved Diagram Mode

A clear test page for simple operation. Display the temperature and pressure with digital value and diagram.



\*We reserve ultimate modification right of product specification.

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