

# Product brochure

-----cookware testing series



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## TT-007 Cutlery and table hollowware corrosion resistance tester



Based on Standard ISO8442-1, ISO8442-2

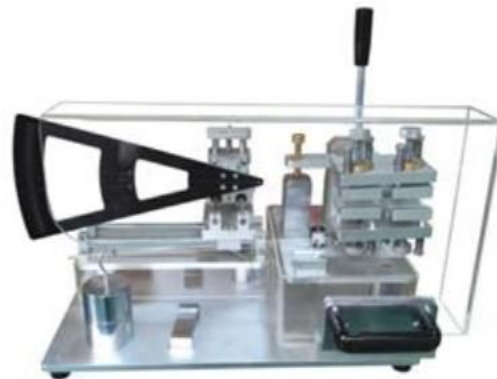
### Main parameters:

- a) Water temperature maintain at 60+/- 2 degree C.
- b) 24 hours Timer to set and control the test period.
- c) Cycle speed controllable from 2~5 cycles per minute.
- d) Tank body made of PVC.
- e) Ceramic heater was used for heat source.
- f) Pneumatic cylinder was used to lift up and down the fixture rack.

### Description:

The equipment is designed to stimulate the cumulative corrosion conditions a knife would experience in typically 2 or 3 years. It will detect overheating of blades caused by grinding processes in manufacture.

## TT-M003 Strength test apparatus for knives, carving forks & spatulas



### Description:

The equipment is designed to test bending strength of cookware, such as spoon, dessert spoon, meal spoon, dessert knife, meal knife, mesa with knife and so on.

Based on Standard ISO8442-1, ISO8442-2

### Main parameters:

- a) The apparatus consists 2 clamps, one permanent clamp for the handle and the other removable clamp for the tip of specimen.
- b) Hand lever of the apparatus is removable and easy to attach on the apparatus.
- c) 2 set of load included , one is 20 N and the other one is 10N (20 N+10N = 30N)
- d) The apparatus is made of aluminum profile and stainless steel.
- f) Acrylic protective cover provided for safety operation.

## TT-M001 Torque resistance test apparatus



### Description:

The machine is used to perform torque strength of handle, the distortion at each direct cannot over 10 degree, also not affect the function under normal use condition.

Based on Standard BS EN 12983-1

### Main parameters:

- a) Servo motor actuator generate a maximum vertical force of 250N
- b) A 300N force sensor was used to measure and control the force apply
- c) Load apply gradually without shock, to the handle until the load is supported or record the peak force when the fixing system fails.

## TT-M003 Bending strength tester



Base on Standard BS EN 12983-1

### Description:

The equipment is used to test bending strength of handle, under specify load on handle slowly, check the fastness of connection between two parts.

### Main Parameter:

- a) Servo motor actuator generate a maximum vertical force of 250N
- b) A 300N force sensor was used to measure and control the force apply.
- c) Torque rod diameter:  $10 \pm 1$ mm
- d) Fixture: tensile and bend fixture each one
- e) Out dimension: (L×W×H)  
750mm×452mm×875mm
- f) Voltage : 220V AC, 50-60Hz.