



## MST-01 Medical Syringe Tester

### Application

MST-01 Medical Syringe Tester is used for the mechanical verifying of the design of empty sterile single use hypodermic syringes, with or without needle, made of plastic or other material and intended for the aspiration and injection of fluids after filling by the end-user.

### Wide Applications

These are various tests and measurements conducted in the medical packaging industry to ensure the quality and safety of packaging materials and components. These tests include:

The tester has special build-in program for the full analysis of force-related tests including but not limited to:

1. liquid leakage at syringe plunger stopper under compression
  2. determination of forces required to operate the piston
  3. syringe sliding resistance test
  4. needle penetration test
  5. needle tube and hub bond test
  6. plunger pull out test
- etc.

### Benefits

1. Multi Test programs embedded in one machine brings users a cost-effective yet powerful tool for quality testing
2. User on-demand program design is available
3. Other tests possible for medical related materials
4. Strictly standard conformed test process

### Technical Features

1. PLC control unit inside
2. 7-inch HMI touch screen operated
3. Precision ball screw for accurate speed and displacement control
4. Variable test speed.
5. Multiple fixtures available for downward force tests
6. Position restrictor and overload protections are available
7. Automatic returning function after test
8. Dot matrix type microprinter

### Various Clamps

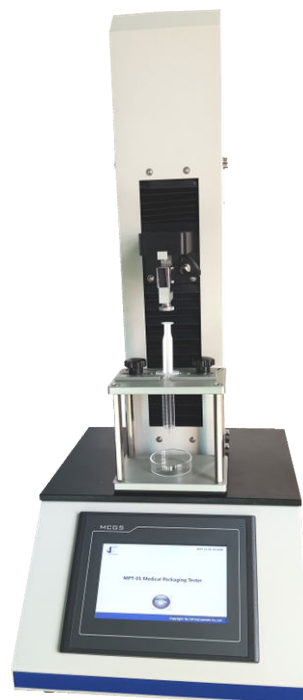
Clamps are made on demand

### Main Parameters

Test Range: 50N (or as required)  
Stroke: 200mm (without clamp)  
Test Speed: 1~500mm/min  
Displacement Accuracy: 0.01mm  
Accuracy: 0.5% F.S.  
Output: Screen, Microprinter, RS232(optional)  
Power: 110~220V

### Related Models

BST-01 Ampoule Breaking Tester  
MPT-01 Medical Packaing Tester  
RDVT-01 Vacutainer Volume Tester  
TT-01 Torque Tester  
MCT-01 Motorized Cap Torque Tester  
LT-03 Leak Tester



*The Company reserves the right to update, modify, or amend this Catalog without prior notice.*

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[www.celtec.cn](http://www.celtec.cn)

[www.polytester.com](http://www.polytester.com)

[www.qualitester.com](http://www.qualitester.com)

[www.packqc.com](http://www.packqc.com)

[www.celtec.com.cn](http://www.celtec.com.cn)

[www.leakagetester.com](http://www.leakagetester.com)



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