



## PW-US72 tensile testing machine

This tester is designed for conduct tensile, compression, bending, shearing, bonding strength, peeling, tearing and other tests for rubber, plastic, leather, metal, nylon line, fabric, paper, aviation, packaging, construction, petrification, electrician, vehicle and other materials. It is a basic equipment of quality control, receiving inspection, physical test, mechanics research, material development.

### Specifications:

Item	PW-US70	PW-US71	PW-US72	PW-US73
Capacity (MAX)	5KN(Optional 10N, 20N, 50N, 100N, 200N, 500N, 1KN, 2KN, 5KN sensors available)			
Control Method	Full computer control mode, powerful software			
Unit of Force	N、kN、gf、kgf、lbf、kP、tf(SI)、tf(long)...			
Unit of Length	mm、cm、Inch、m、km、um...			
Force Resolution	1/1,000,000			
Sensor Accuracy	3/10,000			
Stroke Resolution	1/1,000,000			
Machine Accuracy	Level 0.5			
Effective Stroke	450mm	700mm	850mm	1300mm
Speed Range	0.01~500mm/min			
Test Space	Diameter Φ140mm			
Shutdown Mode	Overload stop, emergency stop key, automatic stop for test piece destruction, automatic stop for upper and lower limit setting;			
Machine Power	Servo motor drive			
Machine Dimensions (W x D x H)	52×60×108cm	85×60×135cm	52×60×152cm	52×60×187cm
Machine Net Weight	45KG	50KG	55KG	70KG
Power	400W			
Power Supply	220V 50~60HZ			
Machine Accessories	1 USB communication cable, 1 software			
Optional Accessories	Tensile jig, compression jig, etc.; (according to different test standards to buy different jigs)			

## Machine structure

AC servo motor drive, precision ball screw drive;

Screw shield using aluminum extrusion, surface blasting, anode satin handle, exquisite;

Shell selection of advanced electrostatic spray treatment, durable;

Vertical stroke trim switch;

Quick release connectors, you can easily switch to a different function fixtures;

Machine protection: over-travel, over capacity protection, emergency brake switch;

## Machine function

1. Powerful data analysis and statistical curves graphical analysis aids, with zoom, pan, crosshairs, and take other functions.
2. Several historical test data can be transferred to the graphics displayed simultaneously comparative analysis done.



3. Up to 7 interval setting, 40 manual taking points, 120 automatic pick point function. With the maximum, minimum, average, to the level of the average, median, standard deviation, population standard deviation, CPK values and other statistics.
4. Test curve shows: during the test in real time and can be a show of force at the same time - displacement, force - time, displacement - time, stress - strain curve, can easily switch to the screen to see the curve;
5. Custom test methods: with the speed, position shift, given the strength, will power rates, given stress, stress rate constant, constant strain, strain rate and other fixed control mode, enabling complex multi-step control can be nested loop. set automatic return, automatic judgment fracture, auto-zero function.
6. Positive and negative force sensor can be switched;

#### Packing

PET film and foam, and wooden

case



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\Grip will be designed according to sample material and sample dimension

For ref.

Tensile test



90 degree peeling test grips set



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