



## Dual Column Computerized UTM Universal Tensile Testing Machine GT-UA01

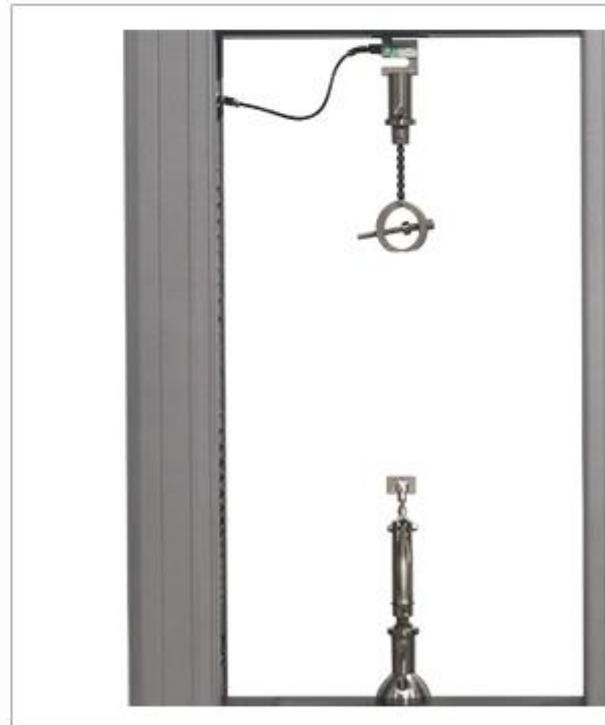
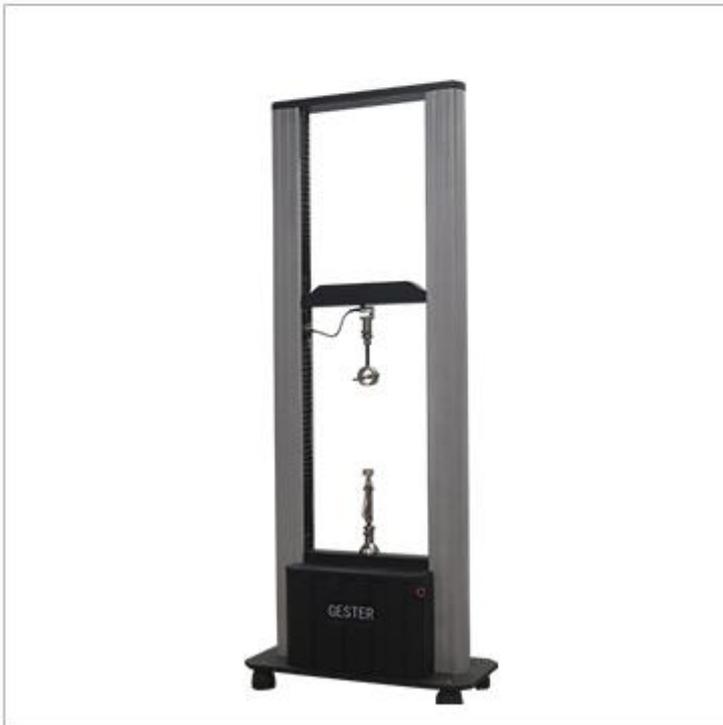


### **Application:**

This universal testing machine 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.

### **Feature**

1. The power system: servo motor and servo drivers and worm gear and rod reducer and ball screw.
2. Control system: adopting Pulse Command control method, it will be more accuracy and easy to control.
3. The Utm Machine speed control range: 0.001-1000 - mm/min.
4. The intermediate plate adjustment is both fast coarse and slow fine-tuning.
5. It will return to original site and save automatically testing.
6. Data transmission mode: RS232 transmission.
7. Utm Universal Testing Machine display mode: computer screen display.
8. This universal material testing machine can realize constant speed, positioning, constant power, constant stroke control mode and multi-level control mode which can meet the test requirements of the ordinary.
9. Testing space: test width is 400 mm (standard)
10. Al plate walking space: 1400 mm (excluding fixture, according to the customer requirements ).
11. The entire displacement: the encoder is 1800 P/R, it can improve 4 times accuracy
12. Using the LINE DRIVE encoder strong anti-interference ability displacement resolution 0.001 mm.
13. Computerized Universal Testing Machine Safety device: overload emergency stop device, up and down stroke limit device, leakage automatic blackout system, automatic break point stop function.



## Universal Testing Machine Key Specifications

Model	GT-UA01
Max. Capacity	10N, 20N, 50N, 100N, 200N, 500N, 1KN, 2KN, 5KN,10KN,20KN
Display	Computer display mode
Force Resolution	1/100,000
Force Accuracy	≤±0.5%
Stroke Resolution	0.001 mm
Stroke Range	1400mm
Test Speed	0.001-1000mm/min (option), can set by computer, with up & down fast adjustment button of grips
Force Unit Switch	Kgf, N, lbf, g, ton, Mpa
Stop Mode	Overload stop, emergency stop button, specimen damage automatic stop, upper & lower limit set automatic stop, automatic reset function
Machine Drive	Servo motor drive, synchronous wheel and precision ball screw drive
Power	400W
Dimensions	110cm x 70cm x 240cm(WxDxH)
Weight	370kg
Power Supply	220V 50/60HZ 10A

Accessories:

Standards accessories	1set	Manual grips
	1pc	Load cell
	1pc	English operation software
	1pc	Cable connect with PC

Option accessories	Optional	Desk top computer
	Optional	Other grips