



Single Column Tensile Test Machine GT-UA03

Product Introduction

Application:

Tensile Test Machine is applied to the test of mechanical property like tension, compression, bending, shear, tear, peel of materials such as rubber, plastic, aluminum tube, composite materials, waterproof materials, prevention material, yarn, fiber, wire and cable, paper, spring, wood, packaging materials, adhesive tape, etc. And it can also fulfill the multi-closed loop test like constant stress, constant strain, creep, slack, etc. When it installs with special device, it can do other test items like reversion, cupping.

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 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.Display mode: computer screen display.
- 8.This instrument 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.Al plate walking space: 1000 mm (excluding fixture, according to the customer requirements).
- 10.Using the LINE DRIVE encoder strong anti-interference ability displacement resolution 0.001 mm.
- 11.Safety device: overload emergency stop device, up and down stroke limit device, leakage automatic blackout system, automatic break point stop function.

Standards:

SATRA TM5, TM53, TM52, TM51, TM108, TM113, TM117, TM118, TM120, TM123, TM149, TM162, TM401, TM 411, TM 410, ASTM D 751/2209 /412/624 FIA 1206, BS5131- 3.7, 5.11, 5.13 , BS 5131-2.6
ISO22650, ISO 19958, ISO 3377-1, ISO 3377-2, ISO 11644, ISO 20866, ISO20867, ISO19957, ISO20874, ISO20344-5.2.4, ISO 20345-5.3.1.2, ISO17698, ISO20875, ISO22777, ISO22776, ISO22654, ISO20863, ISO20876, ISO17695, ISO17697, ISO34-1 ,ISO36, ISO37, ISO 17708,

ISO 17696, ISO17706, AS/NZS 2210.2-5.2.4, DIN 53331, GB/T3903.8, GB/T3903.9, GB/T3903.14, GB/T3903.20, GB/T3903.21, GB/T3903.22, GB/T 3903.23, GB/T 3903.24, GB/T 3903.25, GB/T 3903.26, GB/T 3903.29, GB/T3903.32, GB/T 3903.39, GB/T 3903.40, GB/T 3903.43, GB/T 4689.20, GB/T20991-5.2.4, GB 21148-5.3.1.2, GB/T 17928, GB/T529, GB/T528, GB/T532, GB/T21396 QB/T11413 ,QB/T 2711 ,QB/T2675, QB/T2883, QB/T4118,QB/T4198, HG/T 2726, HG/T 2877, HG/T4805

Dimensions

External Dimension:
≈470*380*1860 mm(L*W*H)
Package Dimension:
≈620*530*2010 mm(L*W*H)
Gross Weight:
≈85KG
Net Weight:
≈70KG



Key Specifications

Model	GT-UA03
Capacity	50N, 100N, 200N, 500N, 1KN, 2KN, 2.5KN, 5KN
Display	Computer display
Force Resolution	1/100,000
Force Accuracy	≤+/-0.5%
Stroke Range	1000mm
Stroke Resolution	0.001 mm
Test Speed	0.001-1000mm/min can set on display, 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

Machine Drive	Servo motor drive, synchronous wheel and precision ball screw drive
Power	120W
Power Supply	AC 220V 50-60HZ 10A
Dimensions	Approx 50x40x145 cm
Weight	60kg

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