Computer Servo Double Column Steel Tensile Testing Machines Manufacturer

Accuracy:	±0.5%	**Capacity:**	1000,2000,3000,5000kg,10000kg
Max. Stroke:	1000mm (including Fixture)	**Motor:**	Panasonic Servo Motor
Power:	Electric	**Sensor:**	Celtron Load Cell|load Cell

Horizontal Computer Servo Double Column Steel Tensile Testing Machines Manufacturer

TESILE TEST MACHINE CE CETIFICATE.pdf

Steel Tensile Testing Machines Technical Parameter:

Item	Description
Max. Force	10T (100KN)
Load cell	Germany brand load cell for high accuracy
Control system	PC with windows 7 system
Motor	Panasonic servo motor w/ DC variable speed drive system, high-precision mechanical ball screw rod
Force reading	kgf, lbf, N, KN, T etc
Stoke	1100mm including fixture
Load cell Resolution	1/250,000
Load Precision	within ±0.5%
Test speed	0.01~300mm/min (adjustable)
Software	TM 2101
Curves display	Load- elongation, Elongation-time, Time-elongation, Stress-strain
Data display	Max. force, speed, sample information, strength(Kpa, Mpa, N/mm, N/mm2) etc…
Safety features	E-Stop Over-load protection Upper and lower limit switches Load sensor with automatic retreat

Selling point:
1. TM 2101 intelligent automatic detection of the operating system, (can adapt to all current PC)
2. High-tech, low noise
3. Humanized industrial design, easy to place and transport
4. The world famous brand core precision components
5. Security protection system

6. Valid test trip length (modifiable)

Product Description:

Tensile Testing Machines is widely used in wires & cables, hardware, metal, rubber, footwear, leather, apparel, fabric, tape paper products, pharmacy and so on, for tensile strength, tear resistance, peel strength, bend strength, shear force , ect with different fixtures according to national and international standards customer required.

Tensile Testing Machine is a kind of electric tensile tester which uses the motor to drive ball screw to move fixture. Place the fixture with sample between the upper and lower fixture, use a given speed to pull sample upward by upper fixture. Load cell above upper fixture will sense tensile strength, and convert the strength into voltage sign and output to the display screen. And the strength value will be displayed automatically.

Application Industry:
1. Electronic products: mobile phones, computers, television, video recorders and so on
2. Textile fabric products: clothes, hats, shoes, ropes
3. Wire and cable: data cable, usb,
4. Leather products: handbags, wallets, leather shoes, leather chairs
5. Instrumentation, vehicles, plastic products, metal,
6. Food, chemical, building materials, medical, aerospace
7. Others...

Standard:

inculling but not limited to **ASTM,JIS,CE, ISO,EN,BS EN,SAE.**..etc.

Product Features:
1. Motor system: Panasonic servo motor +Servo driver +High precise ball screw (Taiwan)
2. Control system: a, computer control with TM2101 software; b, Back to origin automatically after the test, c, store data automatically or by manual operation
3. Data transmission: RS232
4. Displacement resolution: 0.001mm
5. Graph scale automatic optimization can make graph to display with best measurement and can implement graphics dynamic switching in the test and has force-elongation, force- time, elongation -time, stress - strain.
6. It can save results automatically after test finished, and it is manual filing. It can display maximum force, yield strength, compressive strength, tensile strength, elongation, peel interval maximum, minimum and average, etc.
7. User can set parameters of product material such as length, width, thickness, radius, area and so on.
8. Many languages random switching: Simplified Chinese, Traditional Chinese, and English.