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## YG026H-III ELECTRONIC STRENGTH TESTING MACHINE





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## MODEL NO.

### YG026 H-III

#### Application:

Electronic Strength Testing Machine is designed for a wide range of applications, such as the tension, elongation, tearing, bending, compressing, tensile, peeling, stress-relaxation, lamination tests of fabric, apparel,, zipper, leather, geo-textile materials, etc.

#### Related Standards:

STANDARDS	ISO 9073.4, 10319, 10321, 13934.1, 13934.2, 13935.1, 13935.2, 13937.2	ASTM D 434, 558, 2256, 2261, 2731, 3936, 4533, 4964, 5034, 5035, 5735
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Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

#### Features:

- Use 16bit Industry-grade Micro-programmed Control Unit(MCU, Mitsubishi, Japan), 16bit Analog/Digital converter (Mitsubishi, Japan), more excellent anti-jamming, more excellent stability, more rapid data transference speed;
- Automatically Positioning system with servo motor(China brand), and T screw support;
- Blue Liquid Crystal Display (LCD) panel, real time display parameters and on-going test data, and operator can print out testing data by stylus printer, no need support of personal computer;
- Multi-ways to show test results, such as data report, curve, graphic, with support of PC (PC is optional);
- Dynamic Data Sampling Frequency More than 200Hz, capable to catch peak value, precisely indicate property of material's properties;
- Testing method programmable, term and parameter set optional by the operator;
- Able to set pre-tensile force;
- Force unit: N, Kgf, lb, in, cN can be switched freely with support of computer and accessorial software;
- Safety protections, over travel, overload, over-current, over-voltage, etc.
- Accessorial software properties
  - ① Parameter setting: Specimen series number, longitude/latitude direction, color, operator number can be input and display on the testing report.
  - ② Accessorial software can zoom in any point in the test curve, and show the strength value and elongation value at any point when select.
  - ③ Testing report can be stored in PC as EXCEL format.

- ④ Testing curve can be stored in PC for the convenience to check the data.
- ⑤ Testing software contains many kinds of testing standard, make the test more convenience, quickly, and accurately.

**Key Specification:**

- Capacity: 2000N
- Load cell accuracy: grade 0.1
- Load measurement accuracy:  $\leq \pm 1\%$  for 2%~120% of load cell capacity  
 $\leq \pm 2\%$  for 0.5%~1% of load cell capacity
- Jog speed & return speed: 20~400mm/min
- Max crosshead travel (excluding grips) : 600mm
- Position measurement accuracy: 0.1mm
- Effective width : 400mm
- Frequency of data sampling  $\geq 200\text{Hz}$
- Storage capacity  $\geq 4000$  sets of test data
- Power supply 220V, 50Hz, 1000W
- Instrument Size 700×450×1300mm (L×W×H)
- Weight 190kg

**Standard configuration:**

No.	Item	Quantity
1	Main machine(With PC Ports and Printer ports)	1 set
2	Load cell (2000N)	1 set
3	Manual clamp	1 set

**Optional Accessories:**

No.	Item	
<b>1</b>	Load cells	50N, 100N, 300N, 500N, 1000N, 3000N, 5000N
<b>2</b>	Manual grips	<b>S001</b> Normal Single Yarn Grips
		<b>S002</b> Pneumatic Single Yarn Grips
		<b>S003</b> Urethane Elastic Fiber Grips
		<b>S004</b> Single Yarn Grips (winding style)
		<b>B002</b> Bursting
		<b>B003</b> Tearing
		<b>B006</b> Elongation (grab)
		<b>B009</b> Fabric Belt Test Grips
		<b>L006</b> Peeling
		<b>D001</b> Electric Single Yarn Grips
		<b>X001</b> Shoes Strength
		<b>Z001</b> Metal Bending
		<b>W001</b> Metal Strength
	☆Can tailor make grips to customers' requirement.	
<b>3</b>	Personal computer with Installation software	
<b>4</b>	Stylus printer	