

Plush Bundle Fiber Strength Tester GT-B03

Product Introduction


Application:

The plush bundle fiber strength tester is used to test the beam breaking force of wool, cony hair, cotton fibre, plant fiber and chemical fiber.

Standards:

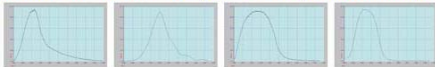
GB/T14337, 14344, 9997, 13835.5, ISO 5079, 11566, ASTM D 3822, BS 4029

Dimensions

External Dimensions:	
580*480*1100mm(L*W*H)	
Package Dimensions:	
600*500*1300mm(L*W*H)	
Gross Weight:	
145kg	
Net Weight:	
120kg	

Feature

- 1.This machine equipped with AC servo system, low noise drive system, import high speed ball screw drive, ARM Cortex-M3 microprocessor(second generation), high speed bottom noise 24digit optical & electronic media converter(OEMC).
- 2.Testing speed: 1 ~ 20000mm/min
- 3.Sampling frequency: over 2000times/second
- 4.Test result will output automatically with the self-contained weighing system and printer .
- 5.The data will be analyzed by Professional software analysis system and the result can be saved into different form.
- 6.The machine and the software analysis system was connected by WiFi, which makes the wireless office into realization. The machine also can be controlled by tablet PC and computer.
- 7.This software adopt the Sqlite light database and zero-configuration operate, occupy low rate of computer resource and can response rapidly. Experimental data optimizing storage mechanism makes the data query, print and dispose convenient and efficient.
- 8.The software can update online.
- 9.Tensile curve of the raw wool pile and wool top under different speed.



- 10.The pneumatic clamps won't slip when during the high speed testing.



Key Specifications

Model	GT-B03
Mode	Constant rate of elongation theory(CRE), microcomputer control, English LCD display and support interconnect communication
Speed Control Range	10 – 20000mm/min
Speed Control Accuracy	≤±2%
Acceleration Time	≤10ms
Return Speed	1 – 2000mm/min
Sampling Frequency	≥2000times/second (can be set ≤10000times/second)
Testing range	20N - 300N
Test Accuracy	≤±0.2%F-S
Force Value Resolution	0.01N
Stroke Space	600mm
Elongation Precision	≤0.01mm
Clamp Distance Can be Accurate to	3-100mm
Breakdown Time Accuracy	≤1 ms
Clamping Methods	Pneumatic
Human-machine Operation Interface	PC+ Touch Screen Control (bilateral control)
Power Supply	AC220V±10% 50Hz 1KW
Dimension	580×480×1100mm