



Bags Belt Dynamic Durability Tester

GT-LC21



Application:

This machine is used for testing the durability of specimens like belts, straps, bags, and soft belt handles. Operators choose the appropriate initial gauge and weight to test the quality of belts according to the bending force of the sample. Straps and other products undergo reciprocating flexing movement at a certain frequency.

Character:

GESTER develops the control system by themselves, which has setting and counting functions. There are start, stop, pause, count, and clear functions on the test control panel. It can

count from 0 to 999,999 times and it will automatically stop when the set number of times is reached. We set the right clamp controlled to stop in the middle position before the sample is clamped, while the Left Fixture is free in the horizontal direction. After the sample is loaded, put the corresponding weight on the Left Fixture according to the standard requirements, so that the sample bears the corresponding pressure during the test. The Left Fixture can be moved left or right before the sample is clamped, and the position of the clamp has a corresponding reference scale, which is convenient for accurately positioning the bending distance of the sample.

External Dimension:	
≈720*520*1750 mm (L*W*H)	
Package Dimension:	
≈760*600*1800 mm (L*W*H)	
Gross Weight:	
≈160KG	
Net Weight:	
≈120KG	

Model	GT-LC21
Control System	PLC+ Touch Screen (Man-machine interface control system with easy operation and power-off saving function)
Counting	0—999 999 times, automatic stop function when reaches set amount and setting flexing times functions in the Man- machine interface
Drive Motor	High-precision variable frequency motor control, stable speed, lower noise. With 400W motor power.
Sample holder	It is made of 45# steel after surface grinding and plating. It is flat and does not rust. One sample can move in the left and right direction during the test. Another sample holder can move in the front and rear direction. The initial position of two holders are in a straight line.
Weight	Made of SUS304 stainless steel, the weights are 0.5kg, 2kg, 4kg. The loading weight is connected to the left and right moving specimen clamps, and the loading weight can be loaded as required. When the weight is not loaded, the specimen clamps do not bear force, but can move freely around.

Moving distance	The motor drives the eccentric wheel to move forward and backward on the front and rear double sliding rails, and the moving distance is 55mm plus or minus 2mm.
Instrument Mode	Stop a. Stop when it reaches the set number of times, b. When the test sample breaks, it will stop. After the machine stops, the instrument will automatically record the current number of tests.
Bending Frequency	40 times/minute, and the number of bends can be set freely on the display unit.
Size	520×480×480mm
Power supply	220v, 50/60HZ
Weight	80kg