3/F 2nd Building Minghui Industrial Zhongwuwei Niushan Dongcheng District Dongguan
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SL-L13 Digital Footwear Stiffness Tester

Product information

Torsional stiffness is a measure of the resistance to twisting of footwear about its longitudinal axis. The footwear is clamped in the toe area, forces are applied through the heel clamp such that the heel and backpart is twisted first inwards and then outwards up to a maximum angle. The torque required to achieve the twist is used to calculate the torsional stiffness values.

Application

It is the tester used to test stiffness of the outsole.fix the toe part of finished shoe with a solid body by the fixture and increase the force under requested speed ,inspect the bendng angle of the outsole ,then decide if it is necessary to do Bending Test according to the angie.

Technical parameter

Speed	(100±10)mm/min
Load	30kg
Screen	LED digital display
Power	AC220V

Dimension(W×D×H)	67*53*65cm
Weight	60kg

Operation procedure

1.Turn on the power, press the "Down" button, let the moving board back to 0-bit.
2. Install the sample (shoe or shoe sole), and place the zigzag line of the sample on the rotating shaft to compress the toe cap;
3. Press the “clear” button on the display to display 0.00 kg on the display.
4. Press the "Up" button, the table to the specified speed (100±10mm/min) gradually increase the force to 3kg or the active plate bends to 90°, the instrument will automatically stop. At this point, we can look at the angle of the pointer readings, according to which we decide whether it is to do the folding test;
5. When we measure the rigid angle of the shoe, press the "Down" button again to return the movable panel to zero (level). Repeat the above steps for a sample test;
6. After testing, please turn off the power.

Attention matters

1. The instrument must be reliable grounding
2. Regularly in the activities of the instrument to add embellish oil to protect the flexibility of the use of equipment
3. The instrument must be used by special personnel
4. External power supply: AC220v.
5. Power: 100W

Please view video of the SL-L13 Digital Footwear Stiffness Tester operation as below link:
https://youtu.be/uf9ZAVza4jQ

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