

WT-6045A footwear shank fatigue testing machine



1. Introductions

The leather shoe shank fatigue testing machine is used to test the anti fatigue performance of the shank in the reinforced waistline area of footwear. During testing, fix the heel end of the shank on the fixture of the footwear shank fatigue testing machine, and apply a repeated cyclic force to the footwear shank through the force arm of the footwear shank fatigue testing machine, let the footwear shank to repeatedly bend until it fractures or reaches the set number of flex times.

2. Relative test methods

ISO 18895 / GB/T 3903.35 footwear—test methods for shanks—fatigue resistance
SATRA TM 97 fatigue test for steel shanks

3. Specifications

No.	Item	Spec.
1	Loading force	49±2N(5±0.2kg)
2	Height of lower grip	32mm
3	Frequency of upper grip	0-250times/min
4	Distance between center of upper grip and upper surface of lower grip	70±2mm
5	Control mode	Color touch screen
6	Test times setting	0-99999 times
7	Test sample shape	“—” type and “Y” type shank
8	Force accuracy	1%
9	Auto stop functions	Auto stop when reach set times; Auto stop when shank breaks
10	Dimension	650x350x710mm
11	Weight	120kg
12	Voltage	AC220V,50Hz