

HST-HFT25TA Axial Tabletop dynamic Fatigue Test Systems



1. Application:

Mainly used to do the dynamic and static mechanical fatigue test for materials and parts . The machine could also complete the fatigue test of other structural parts with different fixture. The machine also can be used for materials or structural parts, auto parts and other static mechanical performance test. It is a popular machine for the university, research institutes, enterprises and other experimental equipment to

2. Standards:

GB / T2611-2007 《Tester General technical requirements》

GB / T16826-2008 《Hydraulic servo universal testing machine》

GB 3075 《Axial fatigue testing metal》

JB / T9379-2002 《Tension and compression fatigue test machine technical conditions》

GB / T228-2010 《Metallic materials at room temperature tensile test method 》

HB5287 Axial Loading Fatigue Test Method for Metal Materials

EN10002 Tensile Test of Metallic Materials

JJG 556-2011 Axial Force Fatigue Testing Machine

HG / T 2067-1991 Technical specifications for rubber fatigue testing machine

ASTM E399—09 Metallic materials Kic standard test for linear elastic plane strain fracture toughness

ASTM E1820 2001 test standard for measuring fracture toughness

3. Specifications:

Model	HST-HFT5A	HST-HFT10A	HST-HFT25A
Maximum dynamic force	±5KN	±10KN	±25KN
Maximum static force	5KN	10KN	25KN
Load range	2%-100%FS		
Testing machine accuracy	Static indication accuracy: Dynamic loading accuracy: ±1%		
Actuator dynamic stroke	120mm		
Displacement measuring range	0~120mm(±60mm)		
Displacement measurement resolution	0.001mm		
Deformation indication relative error	±0.5%		
Force coaxiality	≤5%		
Frequency Range	Standard: 0.01~30HZ; Optional: 0.01~50HZ; 0.01~100HZ(Static pressure support cylinder)		
Test space	827mm		
Test width	460mm		
Power supply	AC 380V± 10%, 50Hz		