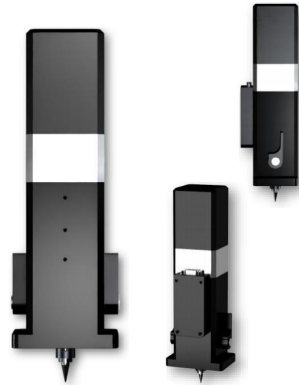


HST-ITT2000 High-precision Indentation tester



Introduction:

HST-ITT2000 high-precision indenter, with patented buffer guidance and dynamic approach algorithm, achieves high-speed approach and impact-free contact, solving the problem of micro-contact overshoot. The modular force measurement system supports rapid replacement of sensors, flexibly covering a variety of test scenarios from laboratory to field.

Specifications:

MODEL	HST-ITT2000
Maximum load	200Kgf
Load resolution	2gf
Displacement resolution	0.1 μ m
Pressure head stroke	23mm
loading rate	0.1 μ m/s ~ 2000 μ m/s
Sampling frequency	50Hz
net weight	2.3Kg
Dimensions (L x W x H)	71 mm x 55 mm x 260 mm
Basic configuration	Rockwell hardness, yield strength, tensile strength
Matching pressure head	Rockwell Indenter 250 μ m radius tungsten carbide spherical indenter; 500 μ m radius tungsten carbide spherical indenter
Applicable materials	metal materials