

HD-A534 Clamp Force Test Machine

EQUIPMENT DETAILS



Panasonic Servo Motor – 2pcs

TECSIS Compression force load cell

GENERAL SPECIFICATIONS

Packaging Dimensions: (WxDxH) 1795*1200*1820mm
 Power supply source: three-phase, 380V±10%, 50/60Hz (can be appointed)
 Gross Weight: 1750kg

STANDARD FEATURES

Item	Description
Max. Force	400~3000Lb
Maximum specimen weight	600kg (can be customized)
Load cell	4 load cell for highest accuracy
Control system	Touch screen controller, Windows 7, RS-232 interface
Motor	Panasonic servo motor w/ DC variable speed drive system, high-precision mechanical ball screw rod
Force reading	kgf, lbf, N, KN, T etc
Load cell Resolution	1/250,000
Load Precision	within ±0.25%
Parallelism of Platens	Parallel within ±2.5mm
Clamping plate size	Height 48inch X depth 48inch
Clamping plate adjustable height	0~1000mm
Clamping plate adjustable width	200~2000mm
Base plate dimension	2200 X 2100mm
Test speed	0.25-2.5mm/sec (according ISTA 6- SAMS CLUB)
Software	TM 2101
Data display	Load, displacement, speed, loading rate and elapsed time
Function	The clamp can be up and down
Clamping plate requirement	Make the two clamping boards flat and non-deform under work condition (2000 Pounds) and make clamping boards' parallel and clamping board and land vertical. Clamping board is thicker than

	25mm.
Safety features	E-Stop Over-load protection Upper and lower limit switches Load sensor with automatic retreat

DESIGN STANDARDS

ASTM D642\ ISTA 6- SAMS CLUB\ ISTA 3J

SOFTWARE – TM 2101

HD-A523 Incline Impact Test Machine

EQUIPMENT DETAILS

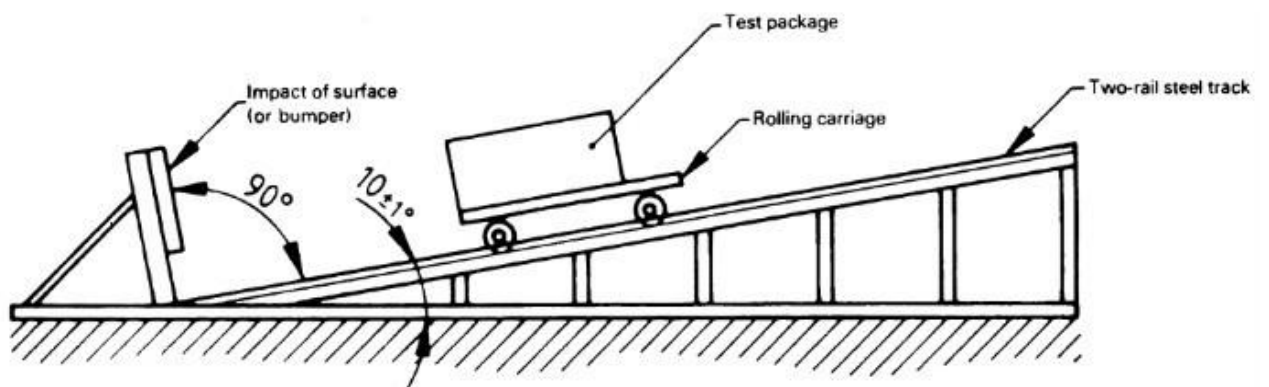


Figure 1 — Inclined plane tester

GENERAL SPECIFICATIONS

Packaging Dimensions: 25CBM
 Power supply source: three-phase, 380V±10%, 50/60Hz (can be appointed)
 Gross Weight: approx. 2800kg

STANDARD SPECIFICATIONS

Item	Description
Load capacity	600kg (can be customized)
Impact surface dimension	1600*2200mm (can be customized)
Rolling carriage table dimension	1220*1220mm (can be customized)
Control system	Touch screen controller
Max. slide length	2200mm (can be customized)
Plane inclined to the vertical angle	0°, 15°(can be customized)
Velocity range	1.1~2.3m/s
Impact surface material	Rubber wood with two-rail steel track
Working condition	Temperature 0~40°, humidity ≤80% (no condensation)
Floor area	7220*1800mm
Safety features	E-Stop Over-load protection Upper and lower limit switches Load sensor with automatic retreat

DESIGN STANDARDS

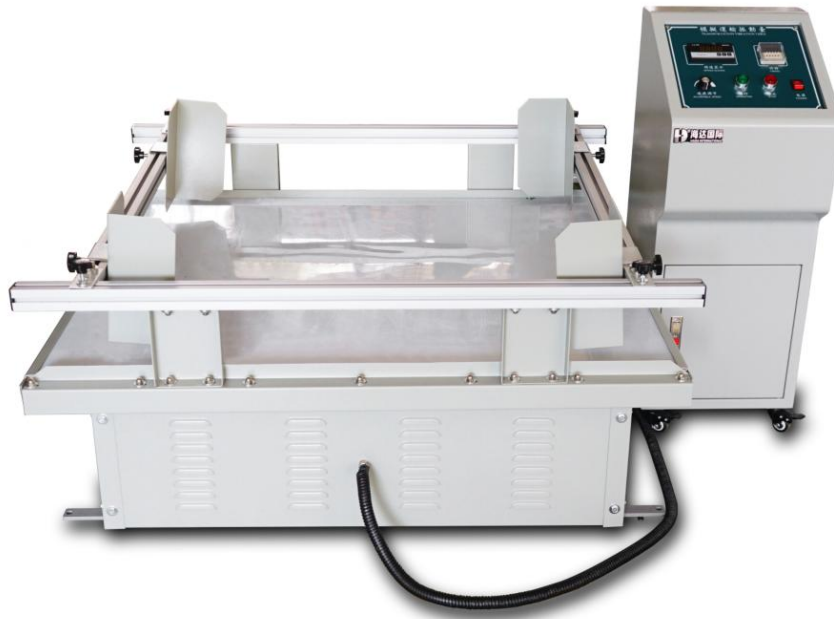
ISTA 3E, 3J & ISTA 6 (inclined impact test)

FEATURES:

1. Flexible positioning and electric trolley. It is easy to fix and achieve the changeable value of speed.
2. The height of trolley is relatively low so that is easy to fix the specimen; the strong impact resistance board can guarantee the fastness of the structure.
3. The trolley can be adjusted to be horizontal in order to fix the specimen for customer. The angle adjustment is driven by air cylinder which is flexible and convenient.
4. In order to keep the test staff completely safe, the tester is with remote control function.
5. Before testing, the customer only needs to fix the tester on the ground when stalling it, no other complicated operation.

HD-A521 Vibration test machine

EQUIPMENT DETAILS



Familiarity with the following formula is required to calculate the test duration after the frequency required to bounce the packaged-product is determined in the Vibration Test Block:

$$\text{Test Duration in Minutes} = \frac{14,200 \text{ Vibratory Impacts}}{\text{Cycles Per Minute (CPM) or [Cycles Per Second (Hz) x 60]}}$$

The chart below shows example Test Duration's calculated for several frequencies.

CPM	Hz	Test Duration in Minutes
150	2.5	95
180	3.0	79
210	3.5	68
240	4.0	60
270	4.5	53
300	5.0	48

ISTA procedure

GENERAL SPECIFICATIONS

Packaging Dimensions: (WxDxH) 800*800*960mm
Power supply source: Single-phase, 220V±10%, 50/60Hz
Gross Weight: 150kg

STANDARD SPECIFICATIONS

Item	Description
Max. test load	100kg
Frequency range	60~300rpm (adjustable)
Amplitude range	25.4mm (1 inch)
Vibration mode	Rotary motion
Work table size	1000mm*1200mm
Machine dimension (L×W×H)	750×750×800mm including control box (estimated)

FEATURES

1. Cost friendly, which is only 10% of the same products in the USA;
2. Adopts synchronous mute belt drive for low noisy;
3. Rail-type specimen holder, easy operation and safety;
4. Machine base adopts heavy style channel with vibration attenuation pad, convenient, stable and no need to install land screw;
5. AC motor adjusts speed for smooth operation and large load ability;

HD-A520 Drop test machine

EQUIPMENT DETAILS



GENERAL SPECIFICATIONS

Packaging Dimensions: (WxDxH) 1795*1200*1820mm

Power supply source: Three-phase, 380V±10%, 50/60Hz (can be appointed)

Gross Weight: 500kg

STANDARD SPECIFICATIONS

Item	Description
Drop height	300-1500mm (can be customized)
Display method	Digital display
Max. weight of sample	60kg (can be customized)
Max. size of sample	(L*W*H) 800*800*800mm
Drop panel area	400*600*10mm (material is Solid steel plate)
Control box dimension	(L*W*H) 350*350*1100mm
Deviation of drop horizon	Less than 1°

FEATURES

1. Outside material: advanced paint coat
2. Power system: drive device (imported motor + speed reducer +Axel+ upper and lower limitation + spring +electromagnet)+ dropping device(dropping standard board +magnet + safety spacing push rod + automatic return back + digital alto-meter +encoder + hydraulic pressure buffering device)
3. Control system: adopting electromagnet sensor control, the interface is easy to operate, high degree automatic control
4. Safety device: upper and lower limitation device, automatic off-power device if electricity leakage occurs