

Haida is pleased to submit the following proposal for your consideration:

Model	Description
HD-D114-2	Handle Jerk Impact Tester
HD-D113-2	Luggage Mileage Tester (two positions)
HD-D119-1	Suitcase Roller Impact Tester
HD-A520-1	Luggage Drop Impact Tester
HD-D118	Luggage Lift Up and Down Test Machine
HD-D125	Luggage Wheel Abrasion Tester
HD-D115-1	Trolley Reciprocating Fatigue Tester
HD-D127	Zipper Puller Torsion Tester
HD-D126	Zipper Reciprocating Fatigue Tester
HD-E702-800-4	Climate Chamber - 800L (Temp. -40~+150°C)

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HD-D114-2 HANDLE JERK IMPACT TESTER

EQUIPMENT DETAILS

Handle Jerk Suitcase Impact Tester is used to test vibration and impact resistance of luggage handle, suture and structure. Test results can be reference for quality improvement.



For reference only

STANDARD FEATURES

Controller	PLC (Touch screen)
Driving mode	Pneumatic Cylinder
Frame height	2500mm
Impact height	6 inches
Max. load	50Kg
Vibration mode	Spring mode 17.54N/mm (±5%)
Testing speed	10-30 r/min (adjustable)
Times setting	1-999,999, automatic shutdown
Protective function	Infrared detection devices on both sides of equipment, machine will auto stop when samples fall off
Air source	Air compressor pump (provided by buyer)
Machine dimension (L*W*H)	1400*1200*3250mm
Weight	Approx. 600Kg
Power	Single phase, 220V±10%, 50Hz

HD-D113-2 LUGGAGE MILEAGE TESTER (TWO POSITIONS)

EQUIPMENT DETAILS

The machine is used to for wheeled suitcase, bags and baby carriages...a walking test , test the quality of the luggage when walking around. From the test mileage, test speed, we can know the heat rupture of wheel, loss volume of the wheel, any deformation of the integral construction.



Images for reference only.

STANDARD FEATURES

Controller	PLC (Touch screen), can be programmable
Test Speed	0~5 km/hr, adjustable
Time Setting	0~999.9 hours, outage memory
Bump Plate	6 pcs, Length*width: 300*30mm, Height: 5mm, Hardness: HB (40±5)
Belt Perimeter	390 cm
Belt Width	80 cm
Test Position	One
Accessory	Suitcase fixed mount
Machine dimension (L*W*H)	2500*1300*1500mm
Weight	360 Kg
Power supply	Single phase, 220V±10%, 50Hz

HD-D119-1 SUITCASE ROLLER IMPACT TESTER

EQUIPMENT DETAILS

Roller tester is designed for impact and strike test of ammunition box, luggage and other boxes in the transportation process, rolling and impact the box in the roller, check box damage condition as a base of quality control after accomplishing the required transfer number



STANDARD FEATURES

Controller	PLC (Touch screen)
Drum diameter	Φ72 in
Drum depth	48 in
Drum speed	2 rpm
Baffle	96° baffles x 3 groups
Test sample size	Max. 1000×700×400mm
Motor	1P DC motor
Machine dimension (L*W*H)	3100*1600*2420 mm
Weight	1,500 kg
Power	Single phase, 220V±10%, 50Hz

HD-A520-1 LUGGAGE DROP TEST MACHINE

EQUIPMENT DETAILS

The machine is used to test the damage degree when the luggage is dropped, and test the impact resistance of the package during transportation, for example, to test the surface, edge and angle of the package through free-drop method.



Groove on the dropping wings to fix luggage wheels

Images for reference only.

STANDARD FEATURES

Controller	digital display, 350x300x800mm
Dropping height	400mm~1500mm
Maximum weight of tested product:	65kg
Maximum size of tested product:	800x800x800mm, the width can be adjusted manually
Size of the dropping panel	(L×W) 1400×1200mm
Dropping wings	(L×W) 700*350mm x 2pcs include groove on the dropping wings to fix luggage wheels
Dropping deviation	±10mm
Deviation of dropping horizon	less than 2°
Machine dimension (L*W*H)	1400*1200*2200mm
Weight	580 Kg
Power	Three phase, 380V±10%, 50Hz

HD-D118 Luggage Lift Up and Down Test Machine

EQUIPMENT DETAILS



STANDARD FEATURES

Controller	PLC Touch screen
Lifting stroke	0-300mm, can be adjusted manually
Counter setting	0~999,999 cycles
Test speed	10~30 cycle/min
Max. Test load	65kg
Machine dimension (L*W*H)	1650*1400*1800mm
Weight	Approx. 560kg
Power	Single phase, 220V±10%, 50Hz

HD-D125 Luggage Wheel Abrasion Tester

EQUIPMENT DETAILS



STANDARD FEATURES

Testing wheel	36''
Test speed	0~10km/hr, can be adjusted
Time setting	999s, 999minutes/2 groups
Test cycles	1~999,999, auto stop when arrive at setting test cycles
Test load	10kg, 11kg, 12kg
Weight	Approx. 85kg
Power	Single phase, 220V±10%, 50Hz

HD-D115-1 TROLLEY RECIPROCATING FATIGUE TESTER

EQUIPMENT DETAILS

Touch screen are controlled in the intelligent way, fitting the test standard, available to user-defined edit the test mode, satisfying all the length of draw bar test, imitating daily using industry.



For reference only

STANDARD FEATURES

Controller	PLC (Touch screen)
Test Stroke	20~100cm,adjustable
Stretching and Compression Speed	0~50cm/min ,adjustable
Lifting Height	90cm
Times Setting	1~999,999 times, Auto-Stopping
Using Pressure	5~8Kgf/cm ²
Motive Power	Cylinder
Machine Dimension L×W×H	1000*1000*2200mm
Power	Single phase, 220V±10%, 50Hz

HD-D127 ZIPPER PULLER TORSION TESTER

EQUIPMENT DETAILS

Zipper Puller Torsion Tester is designed for test the strength and torsion force of zipper puller, to provide reference result for improve production quality.



Images for reference only.

STANDARD FEATURES

Controller	Digital control, can set load
Twisting force range	0.1- 2N·M
Load Accuracy	≤±1%F·S
Loading mode	One way torsion 1. Load direction: clockwise 2. Unload direction: anticlockwise
Torsion angle	0-300°
External dimension L×W×H	500*250*320 mm
Package dimension L×W×H	700*430*520 mm
Weight	Approx. 25kg
Power supply	Single phase, 220V±10%, 50Hz

HD-D126 ZIPPER RECIPROCATING FATIGUE TESTER**EQUIPMENT DETAILS**

Zipper reciprocating fatigue testing machine applies to test the zipper under the transverse-oriented and long direction stress with given times.

Zipper reciprocating fatigue testing machine applies to test the zipper under the transverse-oriented and long direction stress, test whether the zipper can bear the pulling with given times .During the test, the zipper head will be brought along with the same speed, with 30 times per minute until it pulled with given times.



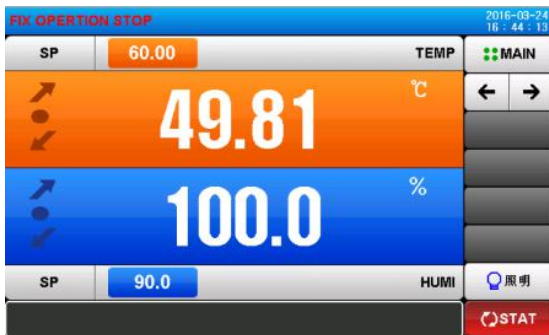
Images for reference only

STANDARD FEATURES

Horizontal clamping device width	25mm
Vertical clamping device weight	0.28-0.34kg
Distance between two clamps	6.35mm
Opening Angle of sample	60°
Close angle of sample	30°
Reciprocating Stroke	75mm
Reciprocating cycle speed	30cycles/min
Counter	LCD display, 0-999,999
Weight	35KG
External dimension L×W×H	280x550x660mm
Weight	Approx. 35kg
Power supply	Single phase, 220V±10%, 50Hz

HD-E702-800-4 CLIMATE CHAMBER

EQUIPMENT DETAILS



Temperature Programmable Controller



Germany BOCK compressor

GENEAL SPECIFICATIONS

Packaging Dimensions: (WxDxH) 1700*1380*2100mm
Power supply source: three-phase, 380V±10%, 50/60Hz (can be appointed)
Gross Weight: 650kg

STANDARD FEATURES

Item	Specification
Internal dimension (W*D*H)	1000*800*1000mm
External dimension (W*D*H)	(W*D*H) 1500*1180*1900mm
Temperature range	-40~+150℃
Temperature Accuracy	±1℃
Cooling speed	1℃/min in average (without loading)
Heating speed	3℃/min in average (without loading)
Internal chamber material	SUS#304 stainless steel, mirror finished
External chamber material	Stainless steel with paint spray
Cooling method	Air cooling
Controller	LCD touch screen, programmable temperature control Can set different parameter for cyclic test
Insulation material	50mm high density rigid Polyurethane foam
Heater	Explosion-proof type SUS#304 stainless steel fins radiator pipe heater
Compressor	Germany GEA BOCK compressor
Lighting	Heat resistance
Temperature sensor	PT-100 dry bulb sensor
Observation window	Tempered glass
Safety protection device	Protection for electric leakage Over-temperature Compressor over-voltage and overload Heater short circuit

APPLICATIONS

1. To simulate test environment with different temperature
2. Cyclic test includes climatic conditions: holding test, cooling-off test, heating-up test, and drying test...
3. Cable port with flexible silicone plug for cable routing to provide the condition of test unit under operation
4. Uncover test unit weakness in a short-term test with accelerated time effect

CHAMBER DESIGN FEATURES

1. High performance and quiet operation
2. Space-saving designed for flush installation to wall
3. Full thermal break around doorframe
4. Direct water supply connection for continuous operation

PROGRAMMABLE CONTROLLER

1. PIC controller for test chamber
2. Step types include: ramp, soak, jump, auto-start, and end
3. RS-232 interface to connect computer for output

INTERNAL CHAMBER



PACKAGE DETAILS



Export wooden case