

INCLINE IMPACT TESTING

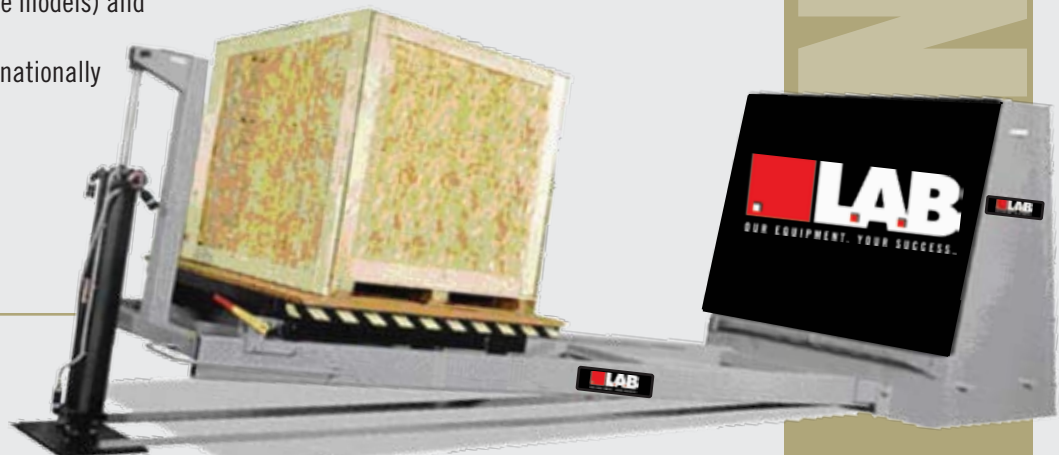
Packages in the distribution environment experience sudden side impacts caused by unpredictable motion while in transit. To ensure the safety of your package, the L.A.B. Incline Impact Tester can assist in determining the overall durability of your package or product by impacting all four sides on a 10 degree incline surface.

DROP WITH CONFIDENCE

L.A.B. Equipment's line of Incline Impact Testers are used to simulate the hazards encountered by packages in the distribution environment: rough handling, pallet marshalling, rail car switching or loading maneuvers. Our drop testers provide accurate, repeatable, and dependable results.

INCLINE IMPACT FEATURES

- Efficient Positioning Mechanisms
 - It's simple to position the dollies to obtain the desired impact velocities. Various models have pneumatic, hydraulic or electric mechanisms, which position the angle of the rail assembly.
- Easy Load Dolly
 - For ease of loading and unloading, many L.A.B. models have features which allow dollies to be loaded with rail assembly in a level position close to the floor.
- Rigid Backstops and Barriers
 - Backstops and barriers provide rigid, unyielding impact surfaces to ensure that impact forces are applied uniformly to the test specimen. A massive steel framework faced with Group 4 woods or steel serves as a realistic impact surface.
- Fully Assembled
 - L.A.B. completely assembles and tests each machine at our factory to insure trouble-free installation and startup and customer site. Installation requires anchoring the machine to the floor, providing ballast (on some models) and connecting power utilities.
- Complies with ISTA, ASTM, ISO, and other internationally and industry recognized standards



additional options >

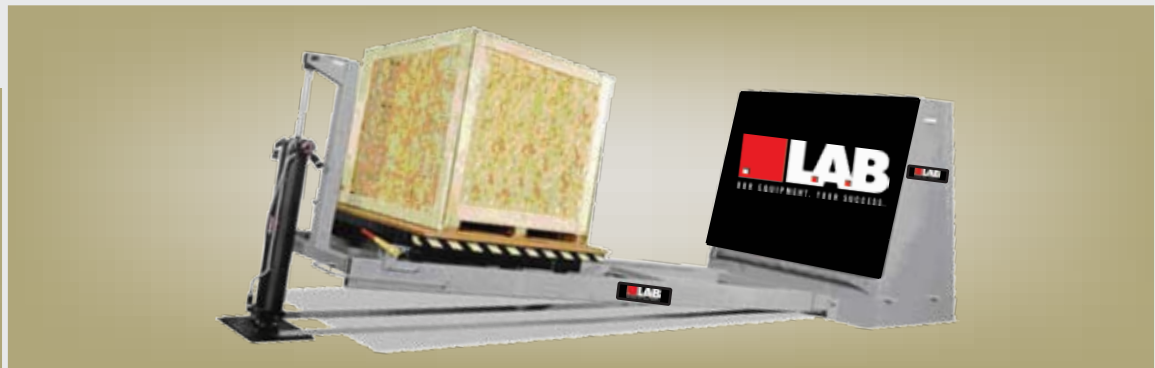
1000 VM- VELOCITY METER

- Meets ISTA test procedures
- Product velocity can be displayed in either English or Metric Units.
- Optical gate system measures velocity of moving objects such as shock machine carriages, horizontal and incline impact testers, cushion testers, etc.
- System consists of digital readout timing device, optical gate and trigger blade.
- Special mounting bracket design specific to each application.

TEST LAB PROFESSIONAL

- Professional grade data acquisition and analysis system
- Up to 8 channels
- Automatic sampling rate
- Minimum pulse duration capture is 0.1 ms
- Automatic or manual triggering
- Low pass data filtering
- 16 bit A/D
- Multi-tool data manipulation

INCLINE IMPACT SERIES MODEL COMPARISON



	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH
Machine Type	1000 OT	1000 OT	2000 OT	2000 OT	4000 OT	4000 OT
Payload Capacity	454 kg	1000 lbs	909 kg	2000 lbs	1814 kg	4000 lbs
Applicable Standards	ASTM, TAPPI, ISO, JIS, and ISTA		ASTM, TAPPI, ISO, JIS, and ISTA		ASTM, TAPPI, ISO, JIS, and ISTA	
Impact Face	1524 mm x 1524 mm	60 in x 60 in	1830 mm x 1830 mm	72 in x 72 in	2438 mm x 2438 mm	96 in - 96 in
Maximum Dolly Travel	2946 mm	116 in	2946 mm	116 in	2946 mm	116 in
Dolly Surface Area	1219 mm x 1219 mm	48 in x 48 in	1524 mm x 1524 mm	60 in x 60 in	1829 mm x 1829 mm	72 in x 72 in
Impact Velocity	11.3 km/hr	7mph	11.3 km/hr	7mph	9.7 km/hr	6 mph
Free Fall Height	457 mm	18 in	508 mm	20 in	457 mm	18 in