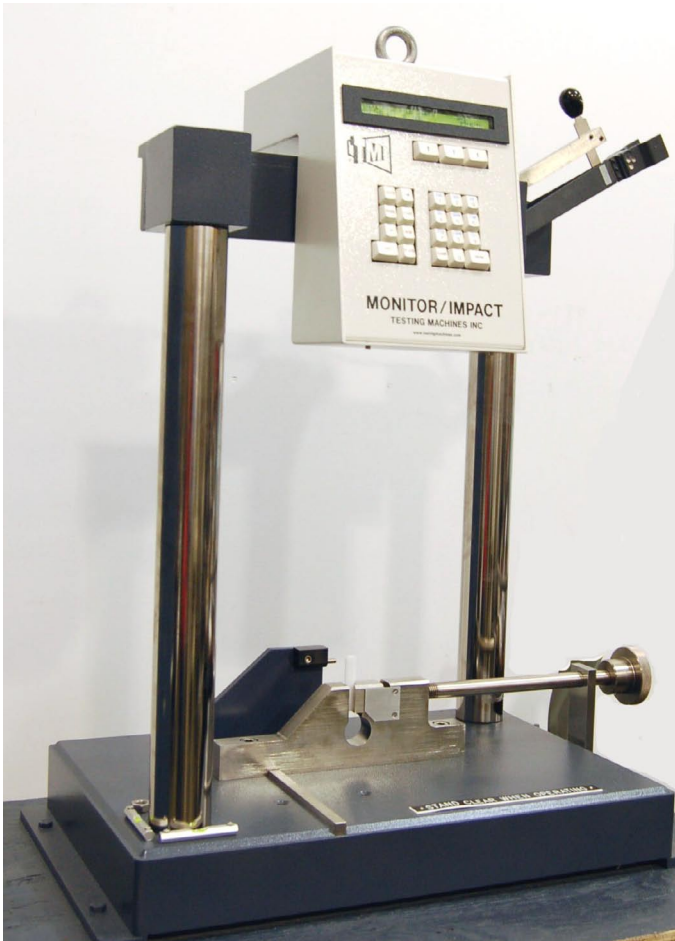


MONITOR IMPACT TESTER

43-02-01



Impact testers are designed to determine the impact energy required to break a sample. This information is crucial to manufacturers, as the strength and durability of the product will often determine performance characteristics and marketability.

The TMI Impact Testing System uses a high resolution optical encoder and data acquisition to determine the impact resistance of rigid materials in accordance with a wide variety of ASTM and ISO test standards. Interchangeable pendulums and specimen holders are available to measure the impact resistance of a variety of materials. Common test methods include Izod, Charpy, Tension and Laminate testing. Environmental chambers are also available to deliver CO₂ or N₂ allowing the characterization of materials at cold temperatures. Essentially the Impact test is a single point test that measures a materials resistance to impact from a swinging pendulum. The mass and drop height deliver a definable kinetic energy. This test can be used as a quick and easy quality control check to determine if a material meets specific impact properties or to compare materials for general toughness.

The Monitor/Impact tester's software provides classification of specimen according to failure

category (full, partial, hinge and non-break) plus excessive elongation or necking. Other features include auto-calibration of pendulums, automatic compensation for windage and friction, selectable units, statistics, average, standard deviation and high/low results.

APPLICATIONS

Plastics, Rubber, Light Metals, Ceramics, Wood, Laminates, Adhesives

STANDARDS

Conforms to
ASTM D256 and ISO 180 for Izod,
ASTM D256 and ISO 179 for Charpy
ASTM 6110 for Charpy
ASTM D1822 for Tension Impact testing

OPTIONS

A complete line of Izod, Charpy, and Tension Impact accessories are available. Other options include temperature chamber, pneumatic clamp, variable drop height attachment and report printer.

FEATURES

- Digital display, storage and editing of up to 500 readings
- Selectable units (J/m, ft•lb./in., kg•cm/cm, ft•lb/in², kg•cm/cm², kJ/m²)
- RS-232, settable limits, statistics-average, standard deviation, and high/low results
- Classification of specimens according to failure category (full, partial, hinge and non-break, plus excessive elongation or necking)
- Auto calibration - automatically calibrates for windage and friction
- Hammers are quickly and easily interchangeable

NOTCHING CUTTER 22-05-03

MONITOR IMPACT TESTER



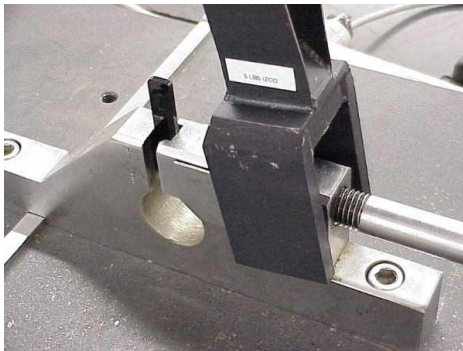
Used in conjunction with the Model 43-02 Monitor Impact tester, the TMI Motorized Notching Cutter, Model 22-05-03 produces a notch in a test specimen for ASTM D 256 and ISO 180 according to the IZOD Standard. Charpy notches can also be made according to ASTM D 6110 and ISO 179.

It is noted in ASTM standards that it is extremely critical to produce an accurate cut and to measure the depth and contour of the notch before testing. Result data will be compromised due to poor sample preparation.

Model 22-05-03 Motorized Notching Cutter automates the specimen notching procedure to produce a repeatable and accurate cut every time. An easy to use thickness gage is included to verify the depth cut before testing.

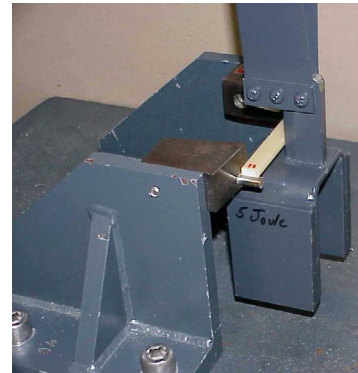
Izod Testing

A test specimen is clamped perpendicular into the impact test fixture with the notched side facing the striking edge of the pendulum. The pendulum strikes through the specimen.



Charpy Testing

The specimen is mounted horizontally and supported unclamped at both ends. The pendulum is released and allowed to strike through the specimen.



Monitor Impact Tester Catalog Number: 43-02-01-0001/2

Instrument size

Dimensions D x W x H: 41 x 71 x 107 cm (16 x 28 x 42 in)

Weight: 130 kg (285 lbs)

Shipping Dimensions: 91 x 66 x 111 cm (36 x 26 x 44 in)

Shipping Weight: 154 kg (340 lbs)

Notching Cutter Catalog Number: 22-05-03

Instrument size

Weight: 25 kg (55 lbs)

Shipping Dimensions D x W x H: 53 x 53 x 53 cm (21 x 21 x 21 in)

Shipping Weight: 30 kg (67 lbs)

Testing Machines Inc.
2 Fleetwood Court
Ronkonkoma, NY 11779
Tel: (631) 439-5400
Fax: (631) 439-5420
Info@testingmachines.com

Büchel BV
t/a Messmer Büchel
Fokkerstrat 24,3905 KV
Veenendaal, Netherlands
Tel: +31 (0)318 521500
Fax: +31 (0)318 540358

Lako Tool and
Manufacturing Inc.
7400 Ponderosa Road
Perrysburg, Ohio 43052
Tel: (419) 662-5256
Fax: (419) 662-8225

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777
Tel: (508) 679-5364
Fax: (508) 679-5396
Information@
lawsonhemphill.com

Adamel Lhomargy SARL
Z.A. de l'Habitat,
Bâtiment 6
Route d'Ozoir, 77680
Roissy en Brie, France
Tel: +33 (0) 1 6440291
Fax: +33 (0) 1 64409211

TMI Canada
P.O. Box 203
Pointe-Claire Dorval
QC, H9R-4N9 CAN
Tel: (514) 426-5855
Fax: (514) 426-1557



www.testingmachines.com

www.lakotool.com

www.lawsonhemphill.com