



IZOD / CHARPY IMPACT TESTER - TORONPI™ - SERIES

Izod/Charpy Impact Tester – ToronPI™ -Series evaluates the impact resistance of polymer materials by determining the absorbed impact energy using energy conversion principles. The accuracy of the impact hammer plays a crucial role in controlling speed and mass positioning during impact, directly affecting test precision.

APPLICATIONS

Izod / Charpy Impact Tester “ ToronPI-Series

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The ToronPI-Series features a pointer to record the impact angle, while dedicated software assists users by calculating and adjusting test results. The most commonly used test methods are Izod and Charpy. This machine allows for quick hammer and vise changes to accommodate various test methods and standards (ASTM & ISO).

THEORY & METHOD

Positioning Mechanism

Izod

Izod / Charpy Impact Tester â€™ ToronPI-Series
The triangular positioning block ensures precise specimen placement.

Charpy

The positioning vise ensures precise centering of the impact point on the samples.

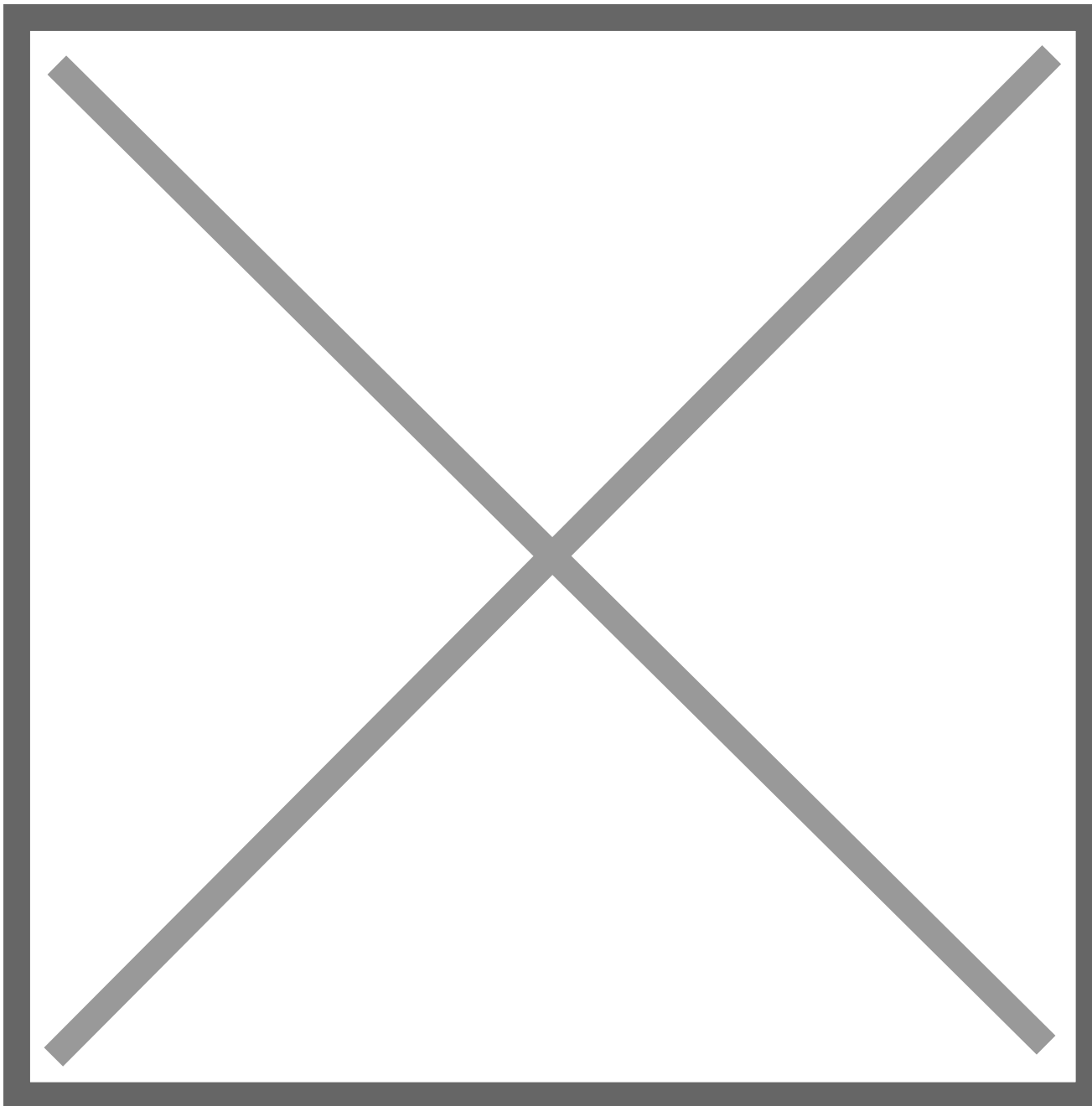
Izod / Charpy Impact Tester â€™ ToronPI-Series

Charpy

The positioning pin ensures accurate placement of the sample at the impact center.

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Energy Calculating Software



Report

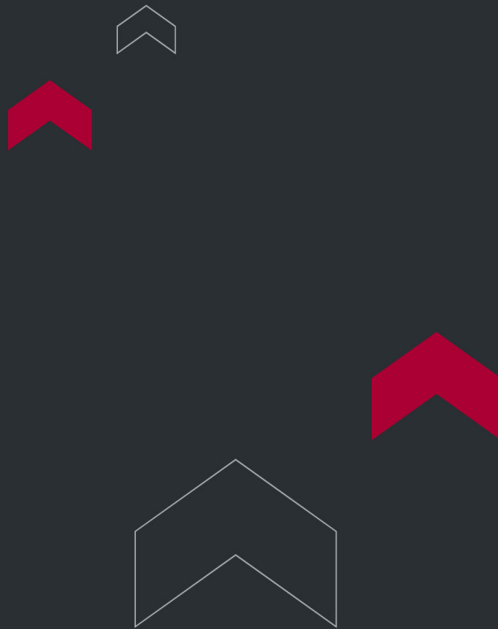
1. Table function
2. Result save function
3. Correction of loss energy function
4. Multiple test functions
5. Metric/Imperial unit switching
6. Enter the impact angle to auto analyze specimen energy.

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TECHNICAL SPECIFICATIONS

Model	ToronPI-C		ToronPI-D	
Test Method	Izod□ Charpy			
Initial Angle	150°			
Test Capacity	Izod 1-12J ASTM Charpy 1-12J ISO Charpy 1-5J		Izod 1-25J Charpy 1-25J	
	20-80% of the max. capacity is the suggested test range.			
Feature	• Big indicator board for reading the impact energy directly. • Standard pointer for users to read impact angle easily. • Equipped with lever device to ensure the machine positioning accuracy. • Provide impact area and collect box to increase safety and reduce the cleaning time. • Able to change vises for Izod and Charpy to satisfy different test standards.			

Model	ToronPI-C	ToronPI-D
Accessories	Hammer calibration report, Manual, Energy Calculating Software, Hex Wrench Set	
Optional Items	• Impact hammers for different energy test and different vises • Impact Specimen V-Notcher QuickNotch-II	
Dimension	90 × 30 × 70 cm	95 × 38 × 76 cm
Weight	100 kg	160 kg



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