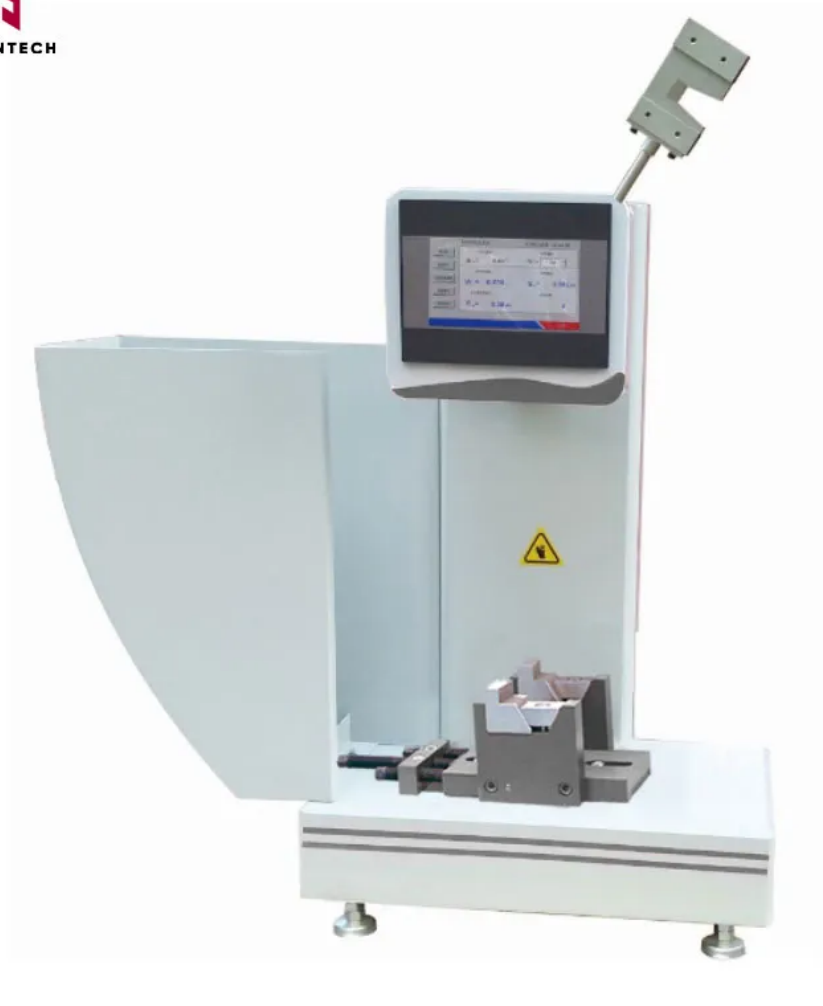




## CHARPY IMPACT TESTER FOR PLASTICS - TORONIMPACK™ CIT-5

The Charpy Impact Tester model ToronImpact™ CIT-5 is your trusted economical tool for conducting impact & resilience tests on rigid plastic materials.

ISO 179 Part 1 (Non-Instrumented Impact Test)

## APPLICATIONS

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### Charpy Impact Tester for Plastics Application Overview

The Charpy Impact Tester model ToronImpact™ CIT-5 is your trusted economical tool for conducting impact & resilience tests on rigid plastic materials. It is designed to determine the impact fragility characteristics of materials under standardized stress conditions. Our testing method aligns perfectly with ISO 179 - Part 1 (Non-Instrumented Impact Test).

Charpy Impact Tester for Plastics

### How Charpy Impact Tester for Plastics Works?

The sample, positioned horizontally and supported near its ends, becomes ready for testing. A single, high-velocity impact from the striker, with the impact point right in the middle of the supports, initiates the test. This results in a significant bending and breaking effect, capturing valuable data for analysis.

Charpy Impact Tester for Plastics

## FEATURES

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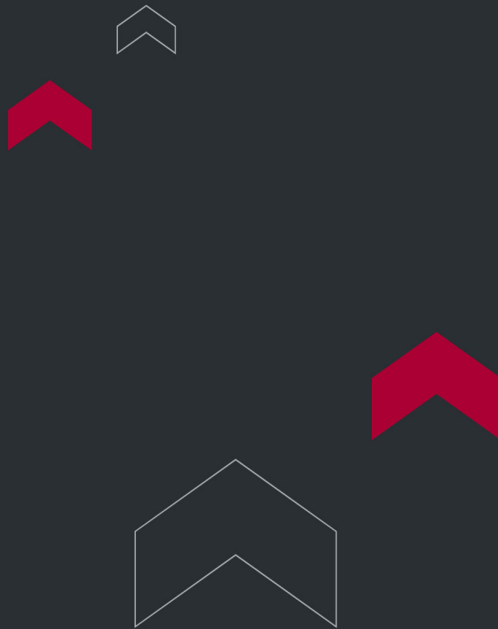
# Key Features of ToronImpact™ CIT-5 Charpy Impact Tester

- 1. **Versatile Impact Speeds:** Generate impact speeds of 2.9m/s and 3.8m/s, as well as various impact energies, all with a single pendulum.
- 2. **Traditional Pendulum Design:** Our high-mass, traditional pendulum design concentrates energy precisely at the impact point, minimizing energy loss due to vibration.
- 3. **Precision Measurement:** Equipped with a high-resolution encoder, our Charpy Impact Tester ensures accurate measurement of the impact angle.
- 4. **User-Friendly Control:** A user-friendly touch screen control interface allows for quick and effortless input of testing parameters.
- 5. **Automatic Corrections:** Results are automatically corrected to account for energy loss due to air and mechanical friction.

## TECHNICAL SPECIFICATIONS

|                               |                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy Levels (Max Capacity): | Choose from 1J, 2J, 4J, and 5J                                                                                                                                                      |
| Span of Charpy:               | 62mm                                                                                                                                                                                |
| Charpy Testing Impact Speed:  | 2.9 m/s                                                                                                                                                                             |
| Measurement Resolution:       | 0.01J                                                                                                                                                                               |
| Notch Specifications:         | Notch A: 45°±1°, Radius of the notch bottom, R=0.25±0.05mm<br>Notch B: 45°±1°, Radius of the notch bottom, R=1±0.05mm<br>Notch C: 45°±1°, Radius of the notch bottom, R=0.10±0.02mm |

Experience precision, reliability, and efficiency with our Economical CIT-5 ToronImpact™ Charpy Impact Tester. It's the trusted choice for impact testing in the modern era.



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