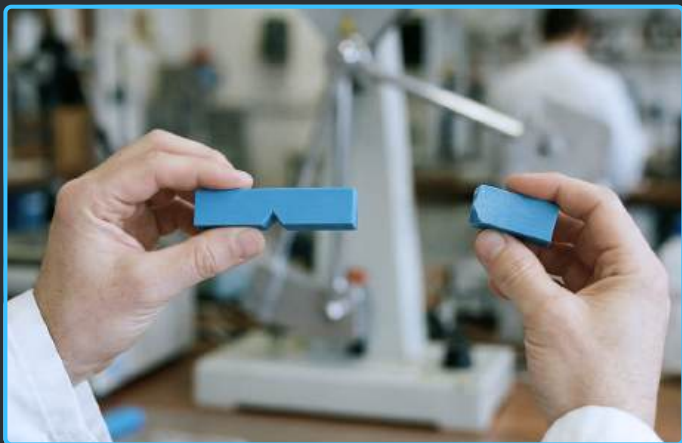


# NEWSLETTER

March, 2026



## Confident Plastics Impact Results: From Notch to Report

March, 2026 – When a plastic part fails in the field, the root cause is often impact behavior, not tensile strength. Charpy and Izod testing turn “it broke” into **measurable absorbed energy and impact strength data** that you can trend across resin lots, suppliers, and process changes—so material decisions stop being guesswork.

Qualitest’s Charpy / Izod Pendulum Impact Testing lineup is **built for standards-driven QC and R&D**, covering everything from routine compliance checks to advanced, software-guided workflows. The range supports major international methods including **ISO 179 / ISO 180 and ASTM D256 / ASTM D6110**, helping labs generate repeatable results with smoother operation and safer handling.

### Charpy Izod Universal Impact Tester for Plastics

#### QualiHIT™



- Runs both Izod and Charpy in one platform.
- Switches Charpy ↔ Izod without adjusting instrument geometry (vice + pendulum design).
- Smart dimension measuring exports width / thickness / residual thickness to the touchscreen for automatic calculation.

### Plastics Charpy Impact Tester

#### Quali5J™ / Quali50J™



- Conforms to ISO 179 for Charpy impact strength testing.
- Touchscreen panel with automatic calibration for energy losses for repeatable results.
- Model energy steps: Quali5J (0.5–5 J) and Quali50J (7.5–50 J) to match specimen toughness.



### QualiTrivia💡

In impact testing, **tiny setup details**—especially notch geometry and specimen dimensions—**can noticeably change the calculated impact strength.**

That’s why many labs **pair pendulum impact testing with dedicated notch/dimension measurement** to reduce manual recording errors and keep results comparable across operators and shifts.

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## Izod / Charpy Impact Tester for Plastics

### QPI-D Series



- Automated pendulum lift and release to reduce manual handling.
- 7-inch PLC touchscreen + encoder for direct angle measurement and energy calculation.
- Built-in correction system compensates for air resistance and friction losses.

## Notch Depth Measuring Device

### QualiNDM™



- Measures notch, width, and depth for specimen verification.
- Includes point-based resetting, metric / inch conversion, max / min tracking, and data sampling / storage.

## Izod / Charpy Impact Tester

### QPI-Series



- Helps labs compare options by Best For / Key Capabilities / Typical Specs in one view.
- Includes lineup positioning for QualiHIT™, QPI-D, and specimen notch prep tools.
- Standards coverage shown for the series (ASTM/ISO).

## Charpy Izod Pendulum Impact Tester

### QualiGIT™ Galaxy Series



- Designed to meet ISO 179, ISO 180, and ASTM D256.
- Touchscreen control + PC connectivity are positioned as core workflow benefits.
- Notes friction-loss correction / automatic energy calculation as part of the measurement flow.



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## Automatic Specimen V-Notcher

### QuickNotch-Auto



- Cuts standard V-notches with adjustable cutting depth and changeable blades.
- Adjusts cutting speed and feed rate; electric system optimizes feed for faster prep and fewer manual deviations.
- Includes dust extraction port support to reduce debris during cutting.

## Impact Specimen V-Notcher

### QuickNotch™ II



- Cuts V-notches with adjustable cutting speed to suit different plastics.
- Example specs listed: 45° cutting angle and R0.25 cutting radius (or specified).
- Cutting speed range shown: 30–550 m/min, supporting controlled specimen prep.

Best for	Recommended Models	Why This is The Best Fit
One tester for both Charpy + Izod, with fast switching.	QualiHIT™ Universal Impact Tester	Universal platform that supports Charpy and Izod in one system, designed to reduce changeover complexity and keep workflows consistent.
Routine Izod/Charpy testing with automation and digital workflow.	Izod/Charpy Impact Tester for Plastics (QPI-D Series)	Built for repeatable day-to-day testing with automation features and a digital control/reporting workflow.
ISO 179 Charpy testing with defined low vs higher energy ranges.	Quali5J™ / Quali50J™ Charpy Impact Tester	Focused Charpy setup for labs that primarily run ISO 179 and want the right energy range matched to material toughness.
Need a broader lineup overview before selecting a model.	QPI Series (Selection/Comparison Page)	Helpful "lineup guide" page that positions multiple impact tester options in one place for fast selection.
Premium impact testing program with advanced positioning (higher-end platform).	QualiGIT™ Galaxy Series Charpy/Izod Pendulum Impact Tester	Positioned as a more advanced solution for labs prioritizing higher-level capability, modern workflow, and standards-based testing.
Reduce variation by controlling notch geometry with a manual notcher.	QuickNotch™ II Impact Specimen V-Notcher	Manual notching solution for consistent specimen prep when you want control without full automation.
Higher prep volume + reduce operator dependency in notching.	QuickNotch-Auto Automatic Plastic Specimen V-Notcher	Automated V-notching for faster throughput and more consistent notch cutting across operators and shifts.
Verify notch depth/dimensions to protect result comparability.	QualiNDM™ Notch Depth Measuring Device	Measurement tool that helps standardize notch/specimen dimensions so impact results remain comparable between batches and labs.

### Ready to Standardize Your Plastics Charpy & Izod Impact Testing Workflow?

WorldofTest's Charpy & Izod Pendulum Impact Testers and specimen-prep tools are built for repeatable, standards-based results, so labs can compare material toughness with more confidence and less operator dependency. Explore the full lineup here:

<https://www.worldoftest.com/charpy-izod-pendulum-impact-tester-plastics>

For expert guidance on selecting the right model for your energy range, throughput, and reporting needs, contact: [sales@qualitest-inc.com](mailto:sales@qualitest-inc.com)