QUALITY CONTROL SYSTEM

GAMMA PENDULUM IMPACT

The Gamma Charpy Pendulum Impact Testers are designed for precise resilience testing of rigid plastic materials, providing accurate evaluation of impact-fragility under standardized stress conditions.

Engineered with a rigid steel frame, the tester features a high-precision rotation shaft and a robust pendulum stop unit for consistent, repeatable performance.

FOUR MODELS COMPLIANT WITH:

- ISO 179 Charpy impact test. Up to 5J
- ISO 179 Charpy impact test. Up to 50J
- ISO 180 & ASTM D256 Izod impact test. Up to 5.5J.
- ISO 180 & ASTM D256 Izod impact test. Up to 22J.

PROVEN TECHNOLOGY

SCITEQ has 60 years experience in supplying high-end test equipment worldwide.

SMART TESTING. PROVEN EXCELLENCE

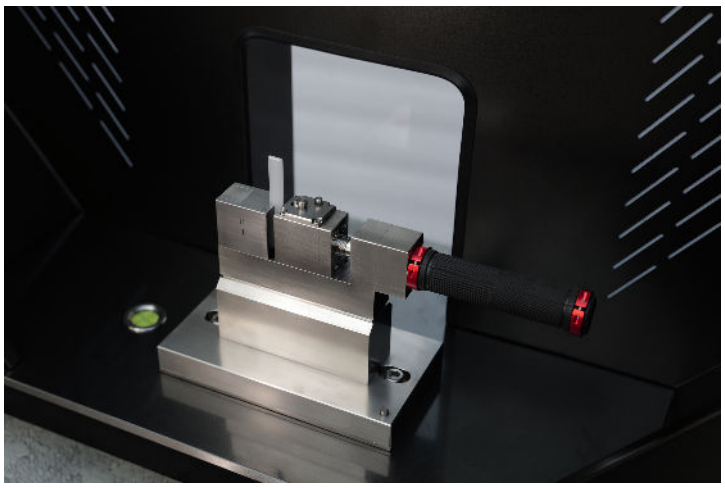
RELIABLE TEST RESULTS

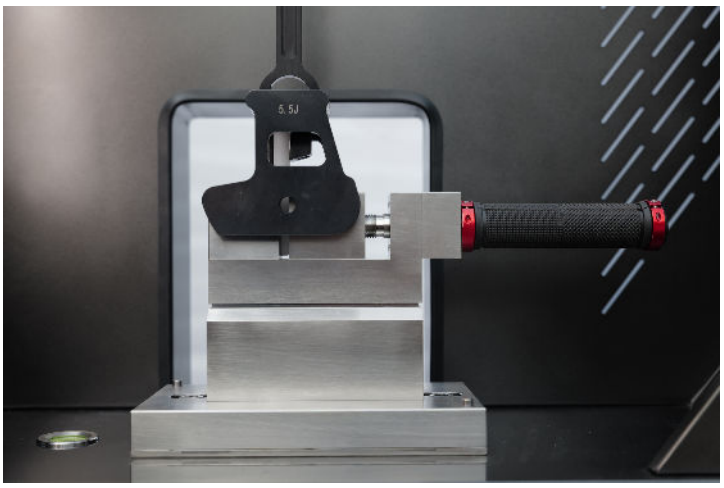
STABILITY & PRECISION

Tested at accredited laboratory with fully satisfactory proficiency tests. The Gamma pendulum testers offers measurement accuracy of ±0.1%.

HIGHLIGHTS

- ☑ High rigidity and vibration-free performance. Lock-nut mounting and built-in calibration points ensure quick setup and accurate adjustment.
- ☑ Braking systerm, protective door and access-control switches provide secure operation.
- ☑ High Precision Control with data processor ensures stable measurement.
- ☑ Touch-screen interface displays real-time impact angles and automatically calculates impact energy/strength.
- ☑ Friction-loss correction and oscillation-period measurement.
- ☑ Smart Dimension Measuring Device for automated batch specimen data. Dual PC and touch-screen control support efficient RDS workflow.



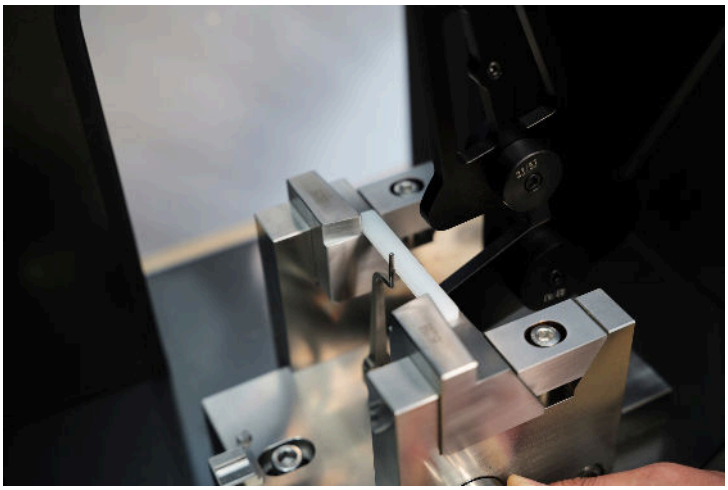


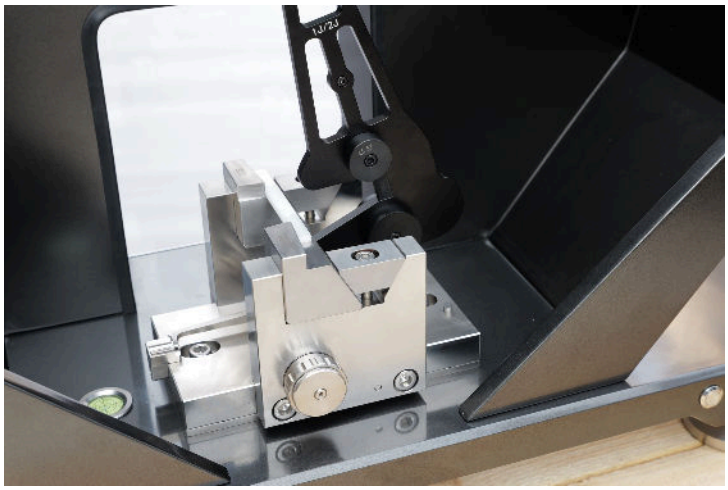
RELIABLE TEST RESULTS

SAFETY & EFFICIENCY

The setup includes an anvil, level meter, control panel, tripod feet, and an eyebolt for secure installation.

A dedicated specimen support is supplied, along with a centering device specifically designed for notched Charpy specimens, ensuring correct alignment and reliable test results.





Pendulum Impact tester	Charpy 8010129 - 5J	Charpy 8010130 - 50J	Izod 8010131 - 5,5J	Izod 8010132 - 22J
Standard:	ISO 179	ISO 179	ISO 180, ASTM D256	ISO 180, ASTM D256
Impact speed	2.9 m/s	3.8 m/s	3.5 m/s	3.5 m/s
Impact energy:	0,5J, 1J, 2J, 4J, 5J	7,5J, 15J, 25J, 50J	1J, 2.75J, 5.5 J	11J, 22J (optional 5.5J)
Starting angle:	150°	150°	150°	150°
Measurement accuracy:	±0.1%	±0.1%	±0.1%	±0.1%
Energy loss:	0.5% - 4%	0.5%	0.5% - 2%	0.5%
Distance between shaft and center of specimen:	230 mm	395 mm	335 mm	335 mm
Included angle of striking edge:	(30±1)°	(30±1)°	N/A	N/A
Corner radius of vice:	(1.0±0.1) mm	(1.0±0.1) mm	N/A	N/A
Corner radius of striking adge:	(2.0±0.5) mm	(2.0±0.5) mm	(0.8±0.2) mm	(0.8±0.2) mm
Support span:	62 mm	62 mm	N/A	N/A
Power supply:	220-240V AC, 50-60Hz Single phase, three wire.			