

Materials Testing Packages for the Plastics Laboratory

Instron® is a leading manufacturer of materials testing systems, accessories, and services to provide comprehensive solutions for all of your mechanical testing requirements. Instron's mission is to provide our users with quality instrumentation that is safe, durable, and easy to operate – all factors that are critical when choosing optimal lab equipment. Systems can be equipped and calibrated to test to the most important international standards.

The plastics package has been designed as an affordable solution for your laboratory, providing you with:

- Increased testing efficiency and productivity
- Improved repeatability by overcoming the factors that are affecting your test results
- Confidence that your systems are designed specifically around the most current international standards

Mechanical Testing System

For evaluating the mechanical properties of plastics



- Utilise features such as high-return speeds, specimen insertion aids, one-click testing, integrated specimen measuring devices, and preconfigured test methods designed around the latest standards
- This pre-configured system is designed specifically around ISO 527 and ISO 178 standards

Offer Includes:

- 10 kN Mechanical Testing System
- Bluehill® 3 Software
- 10 kN Pneumatic Side Action Grips and Jaw Faces
- Extensometer
- Installation and Training
- Quick Delivery
- Compliance with ISO 527-1,2, and ASTM D638

Pendulum Impact System

For evaluating the impact properties of plastics



- Utilise features such as pneumatic hammer release, braking mechanism, re-positioning of the hammer after impact, automatic calculation, and display of the resilience
- Overcome energy parasitic phenomena that influence or cause inconsistent results through a monolithic frame and unique hammer design

Offer Includes:

- CEAST 9050 Motorised Model
- VisualIMPACT Software
- Set of Supports and Hammers for Charpy and Izod tests
- Specimen Centering Device
- Motorised Notching Machine for V-Type Notch
- Installation and Training
- Quick Delivery

Why Instron?

- Instron is a complete solution provider for testing of plastics, from flow properties, to specimen preparation, to mechanical testing.
- Instron can help with laboratory accreditation to ISO 17025 through customer training, annual maintenance contracts and annual equipment certification, calibration and checks
- The most extensive range of testing fixtures and environmental accessories for materials testing instruments in the industry