

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

Capillary Rheometer

For evaluating the flow properties of plastics



- Utilise features, such as Twin Bore barrels, to allow for simultaneous or independent rheological tests
- Add accessories for determining fundamental properties like Melt Strength, Thermal Conductivity, Die Swell, and PVT Behaviour
- Simulate processes such as injection moulding, extrusion, blow moulding and film moulding

Offer Includes:

- CEAST SmartRheo SR20 Capillary Rheometer
- VisualRHEO Software
- Single or Twin Bore configuration
- Two interchangeable or independent barrel-mounted pressure transducers
- 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