

NEWSLETTER

January, 2026

Driving Precision in Plastic & PVC Pipe Testing

January, 2026 – Reliable testing is essential to ensure the long-term performance, durability, and safety of plastic and PVC pipes used in water supply systems, sewage networks, industrial infrastructure, and construction projects. Impact strength, stiffness, and heat resistance define whether a pipe will withstand demanding environments and comply with international quality standards.

Qualitest provides a complete portfolio of testing instruments engineered for the plastics and pipe industries. Our solutions deliver consistent, repeatable measurements across critical performance parameters. Empowering laboratories, manufacturers, and research facilities with the accuracy they need to validate product quality and meet global standards such as ASTM, ISO, and EN.

Highlighted Instruments from Qualitest's Plastic & PVC Pipe Testing Line

While Qualitest provides an extensive range of testing equipment for plastic and PVC pipes, the following three models are featured for their critical role in structural, thermal, and impact assessments.

Drop Weight Impact Tester



A reliable system designed to evaluate the impact resistance of plastic pipes and fittings under high-energy loading.

- Ideal for PVC, HDPE pipes, plastic sheets, and thermoplastic components, supporting applications in manufacturing, construction, quality control, and R&D.
- Fully compliant with major global standards including ASTM D2444, ISO 3127, EN 744, DIN 30670, BS EN 12061, UL 651A, and more.
- Engineered with a high-precision drop mechanism to deliver consistent, repeatable impact results across multiple test runs.
- Features adjustable drop heights, allowing laboratories to tailor test conditions according to material type and required test specifications.
- Built with durable, heavy-duty construction, making it suitable for continuous use in demanding industrial and laboratory environments.

Ring Stiffness Tester – QualiRST™ Series



Engineered to measure the stiffness and deformation resistance of plastic pipes used in drainage, sewage, and structural applications.

- Delivers precise ring stiffness measurements for thermoplastic pipes with circular cross-sections.
- Versatile testing capabilities with support for flat testing and ring flexibility evaluation in one system.
- Fully compliant with major industry standards, including those for PE double-wall corrugated pipes, wound pipes, and a wide range of plastic piping materials.
- Advanced extended creep ratio testing allows realistic simulation of long-term stiffness loss in large buried pipes.
- CE-certified design ensures trusted performance and adherence to stringent EU safety and quality requirements.

HDT/Vicat Tester – QualiHDT™ V3 Series

A versatile thermal analysis system for determining the heat deflection temperature and Vicat softening point of polymer materials.



- Six independent testing stations allow multiple specimens to be evaluated simultaneously, dramatically improving laboratory throughput.
- High-precision temperature control with a deviation within $\pm 0.5^{\circ}\text{C}$ ensures stable, repeatable, and reliable thermal deformation results.
- A digital micrometer with seamless PC connectivity provides precise deformation measurement and automated data capture.
- An automatic lifting mechanism streamlines specimen loading and unloading, delivering smoother and more efficient test workflows.
- An integrated smoke exhaust and safety-focused temperature protection circuit safeguard operators and maintain a clean, controlled testing environment.

Ready to Advance Your Plastic & PVC Pipe Testing Capabilities?

Qualitest's Plastic & PVC Pipe Testing Instruments deliver accurate, repeatable, and standards-compliant results with minimal operator effort. Our comprehensive range is engineered to help laboratories improve testing efficiency while meeting international quality benchmarks.

Learn more about how our Plastic & PVC Pipe Testing solutions can strengthen your production and QC performance: <https://www.worldofest.com/plastic-pvc-pipe-testing>

For expert guidance on selecting the right testing equipment for your needs, contact us at sales@qualitest-inc.com