



## **BOTTLE TESTING EQUIPMENT FOR PET AND GLASS BOTTLES**

# **Bottle Testing Equipment for PET and Glass Bottles**

Precision Testing Solutions for Packaging Quality and Compliance

Torontech is proud to introduce a complete range of Bottle Testing Equipment engineered specifically for the quality control of PET bottles, glass bottles, and other rigid packaging containers. Whether you're manufacturing carbonated beverage bottles, pharmaceutical containers, or food-grade packaging, our instruments ensure that your bottles meet the highest standards for durability, safety, and performance.

Our comprehensive solutions cover the full spectrum of testing needs for plastic (PET) bottles and glass containers, including wall thickness, internal pressure resistance, top load capacity, leak integrity, and more. Torontech's bottle testing instruments are ideal for production lines, laboratories, and QA/QC departments in the beverage, cosmetics, pharmaceutical, and packaging industries.

## **Featured Bottle Testing Instruments:**

### **1. Bottle Wall Thickness Tester**

Non-destructive testing of wall thickness in PET and glass bottles to ensure even material distribution and structural strength.

### **2. Glass Bottle Internal Pressure Tester**

Accurately measures the pressure resistance and burst strength of glass bottles, critical for carbonated beverages and pressurized packaging.

### **3. Top Load Tester for Bottles**

Evaluates the vertical load-bearing capacity of PET and glass bottles during stacking and transportation.

### **4. Vacuum Leak Tester**

Detects seal integrity and micro-leaks in PET bottles and closures using vacuum-based testing methods.

### **5. Drop Tester for Bottles**

Assesses the impact resistance of filled or empty PET and glass bottles by simulating accidental drops during handling.

and shipping.

6. **Torque Tester**

Measures the torque required to open or close bottle caps, ensuring proper sealing and user-friendliness.

7. **Bottle Burst Tester**

Applies controlled internal pressure to PET bottles to determine burst strength and deformation levels.

8. **Verticality / Perpendicularity Tester**

Measures the straightness and uprightness of bottles—especially important for automated filling and labeling lines.

9. **CO<sub>2</sub> Volume Tester**

Calculates the volume of dissolved CO<sub>2</sub> in carbonated drinks to verify proper carbonation levels in PET bottles.

10. **Environmental Stress Crack Resistance (ESCR) Tester**

Tests the ability of plastic (especially HDPE or PET) bottles to withstand cracking under mechanical stress and environmental exposure.

11. **Opacity Tester**

Measures the light-blocking ability of bottles used for light-sensitive contents like pharmaceuticals or dairy products.

## **Why Choose Torontech Bottle Testing Equipment?**

1. Engineered for PET and glass bottle testing applications
2. Designed in compliance with ASTM, ISO, and ISBT standards
3. High accuracy, durability, and intuitive operation
4. Supports quality assurance, R&D, and production environments

Whether you're testing water bottles, soft drink containers, pharmaceutical glass packaging, or specialty cosmetic bottles, Torontech's robust range of bottle testing instruments provides the accuracy and reliability your production demands.



**Torontech Inc.**

251 Consumers Road, Suite 1200  
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652  
Email: [info@torontech.com](mailto:info@torontech.com)

**Torontech, LLC**

601 Brickell Key Drive, Suite 700  
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919  
Email: [sales@torontech.com](mailto:sales@torontech.com)

**Torontech ME FZE**

Meydan Grandstand, 6th Floor,  
Meydan Road, Nad Al Sheba,  
Dubai-261440, UAE 

Phone: +971 488 19252  
Email: [me@torontech.com](mailto:me@torontech.com)

