

AL-BS3000 Bottle Burst Strength Tester

Automatic Plastic Bottle Burst Tester for PET, Plastic, or other Bottles
 Featuring a built-in PC Computer with large 12" touch screen, USB and LAN ports
 Innovative advanced clamping design will never leak or fail while testing



The small photo below illustrates the optional stand that provides a built-in and environmentally friendly internal self-circulating water and a high pressure air supply source for testing.



Optional environmentally friendly, internal and integrated self-circulating water and high pressure air supply source eliminates the need for a cumbersome external liquid nitrogen supply

In the PET Bottle manufacturing process, defects are often caused by the poor quality or high moisture content of PET resin and/or bad bottle preforms; incorrect blowmolding parameter settings; machinery faults; or incorrect injection mold design or blow molding processes. All these factors may result in bottles bursting in the filling machine, the warehouse, in transportation vehicles, etc. They can all be costly problems resulting in lost business/production targets and downtime. Moreover, the risk of such failures increases remarkably in hot and humid conditions. The burst strength testing process determines overall performance of bottles, bottom quality and strength on one-piece petaloid and re-fillable bottles. This instrument makes a hydraulic/mechanical test of the bottle until its destruction, measuring different parameters such as per cent (%) of expansion volume and the breakage pressure, allowing further analysis and statistical control of the process. In addition, the tester can be set to perform "time-holding resistance" tests at a set pressure and time period according to bottle specifications.

At **Advancelab**, we pride ourselves on putting the operator's safety at **Highest Priority**.

Technical Details

| Bottle Sizes | Burst Strength | Construction |
|-----------------------------------|--------------------------|-------------------------------------|
| size up to 3 liters | up to 360 psi or 25 Bars | Stainless Steel / Anodized Aluminum |
| 110/ 220 VAC ; 10 amps ; 50/60 Hz | | |

Shipping Weight : 450 lbs (204 kgs) • Packing : 46" x 26" x 40" (117 x 66 x 102 cm) • Net Weight : 326 lbs (148 kgs)

