

The Automated Lab for the Beverage Industry

ALAB 5000 Torque



The ALAB 5000 Torque brings automated quality control to the beverage industry – delivering precision-driven, fully automated torque measurement for a wide range of caps and bottles.

FIND OUT MORE



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apb-alab-5000-torque](http://www.anton-paar.com/apb-alab-5000-torque)

Inspired by Anton Paar's decades of expertise in beverage industry quality control, the ALAB 5000 Torque offers advanced features and an intuitive interface for effortless torque testing. Designed for fast, reliable, and precise torque measurements, this robust system ensures smooth 24/7 operation while accommodating a wide variety of caps and bottles.

Reduced operator dependency, enhanced efficiency

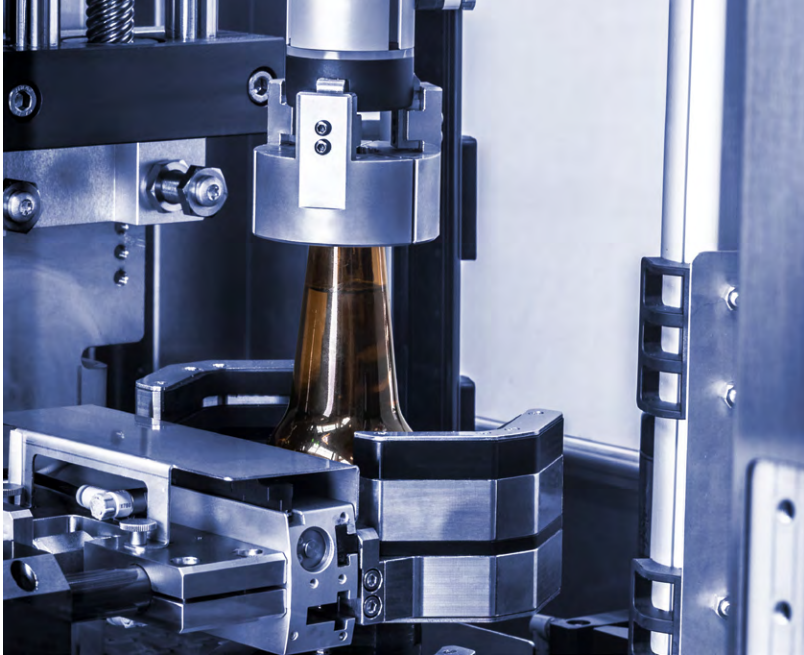
- Faster, more efficient torque measurements, with an impressive test speed of 30 s per bottle – all of this without operator attendance and with maximum walkaway time
- Real-time results at the production line, avoiding costly out-of-spec production
- Consistent, reliable results due to uniform handling of every sample, excluding human error
- Intuitive user interface, streamlining torque testing and reducing the need for extensive operator training

Enhanced compliance and traceability

- Integrated automatic torque verification using the traceable Gold bottle (lower figure) standard, ensuring accuracy
- Measurement data securely stored on the ALAB 5000 Torque and automatically transferred to the LIMS system for seamless record-keeping
- Both numerical and graphical data readily available via the user interface, for clear insights

A flexible solution for all packaging types

- Measurement of both opening and ring crack torque with precision
- Automatic adjustment to accommodate bottle sizes and closures with diameters ranging from 25 mm to 40 mm – regardless of the material
- Operation as a stand-alone system or connected to the filler line



| ALAB 5000 Torque | |
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| Measuring range | 0 Nm to 2 Nm |
| Typical measuring time | 30 s |
| Ambient temperature | 2 °C to 49 °C |
| Relative humidity (not condensing) | at 2 °C to 35 °C: 0 % to 90 % at >35 °C: 0 % to 50 % |
| Package diameter | 55 mm to 95 mm |
| Package height | 80 mm to 300 mm |
| Cap diameter | 25 mm to 40 mm |
| Control | 19" multi-touch industrial PC, 1,920x1,080 px |