LAB-BOT-ONE

Handling, Labeling, Weighing and **Filling** laboratory tubes in ONE integrated platform.

› All processes – ONE device

The LAB-BOT-ONE is a modular laboratory automation system designed to handle, label, weigh and fill a wide range of laboratory tubes and vials.
By combining multiple processing technologies in a compact desktop platform, the system enables automated laboratory workflows from sample labeling to reagent kit production.

- High-resolution labeling ensures clear identification and consistent placement on every tube..
- Accurate liquid dispensing into tubes using controlled and reproducible peristaltic pump technology.
- Integrated precision weighing enables reliable mass determination and automated process control.
- Precise automated handling and positioning of laboratory tubes across racks and process stations.
- Reliable tube identification and traceability through integrated barcode scanning and validation.
- Automated opening and closing of screw caps with controlled torque and reproducible handling.

LABOTIQ
Bots for Smarter Lab Work

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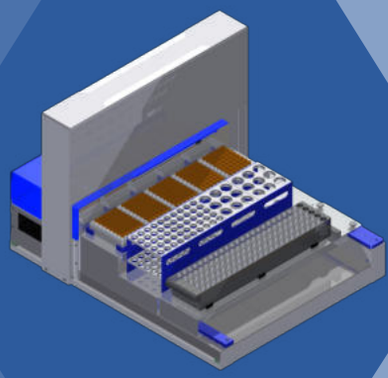
LAB-BOT-ONE

Typical applications



Sample Registration & Reformatting
Automated identification, sorting, decpping and rack-to-rack transfer of laboratory tubes for structured workflows.

Kit Preparation / Automated Filling
Automated reagent kit filling of micro screw tubes with precise labeling and reproducible liquid dispensing.

Analytical Weighing
High-precision analytical weighing with automated repeated measurements for reliable sample preparation.

Gravimetric Dilution / Solvent Addition
Automated gravimetric dilution combining precise weighing with controlled solvent addition.

Key Benefits

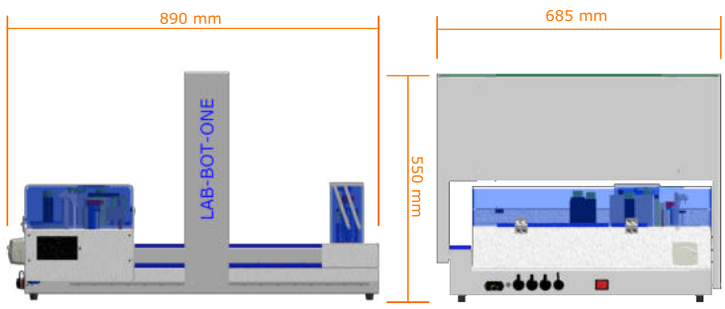
Automate Repetitive Tube Handling
Reduce manual handling of laboratory tubes and automate routine workflows such as labeling, weighing and filling.

Increase Laboratory Productivity
Process large numbers of tubes with consistent quality while freeing laboratory staff for more valuable tasks.

Improve Reproducibility and Traceability
Automated workflows ensure consistent labeling, precise liquid dispensing and documented weighing results.

Modular and Scalable System
Expand system capabilities with optional modules such as weighing units and cap feeders.

Seamless Integration into Laboratory Workflows
Connect to LIMS systems or Excel Files, barcode workflows and external laboratory automation platforms.



Everything You Need – From a Single Source

In addition to the device, we supply all required accessories and consumables – from carriers and racks to labels, ribbons and pump tubing – all from a single source.

Delivery, installation and user training are available at attractive flat rates. Optional maintenance contracts ensure reliable and trouble-free long-term operation.

Flexible financing is available directly from the manufacturer at attractive conditions. Choose between purchasing the system with additional benefits or renting/leasing the equipment for 12, 24 or 36 months in a convenient all-inclusive package.

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