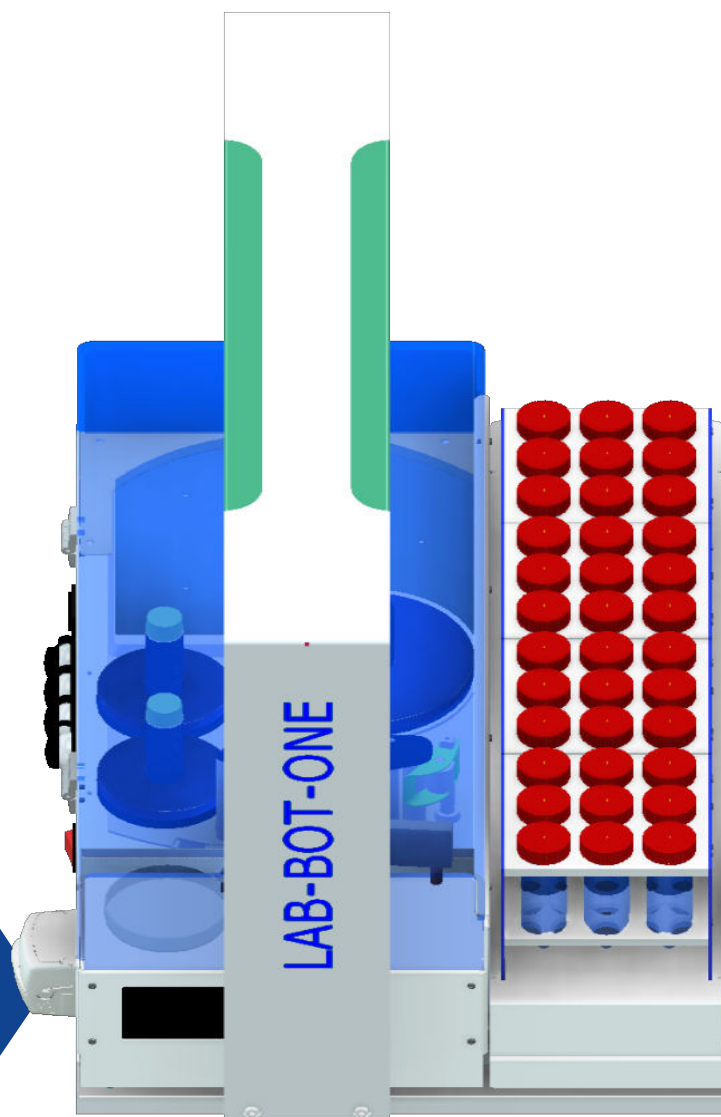


Your new employee for

**Labeling**  
**Filling**  
**Weighing**

of laboratory tubes



**LAB-BOT-ONE**



- > Takes over the tedious routine work such as labeling, filling and weighing
- > Increases traceability and security during sample processing
- > Increases productivity and availability of laboratory services
- > Flexible, customizable and very easy to use

# The LAB-BOT-ONE

The LAB-BOT-ONE is a universal helper for every laboratory that works with tubes and vials.

Whether you need to label numerous tubes, fill liquids into vials or need to weigh several bottles - the LAB-BOT-ONE is your valued employee.

It gets started with a few clicks and then works when you are taking care of the important things or simply have finished work.

This not only increases productivity and availability, but also improves the traceability and reproducibility of your laboratory services.

The LAB-BOT-ONE processes all common tubes, vials and bottles without any adjustments being required by the user!



## Perfect labeling with the LAB-BOT-ONE

Label each tube!

In modern laboratory work, traceability and the complete tracking of numerous samples are crucial. This is where the LAB-BOT-ONE comes into play - your reliable partner for labeling laboratory tubes!

This sophisticated labeling solution offers a variety of features and benefits that optimize your workflows and ensure that every sample is correctly labeled.



### Comprehensive labeling options

With the LAB-BOT-ONE you can add a variety of information to your laboratory tubes to increase safety, traceability and efficiency:

- **Barcodes and 2D Codes**  
Automate sample capture and management by scanning sample information, increasing accuracy and speed and reducing errors.
- **Pictograms and logos**  
Use visual symbols for quick identification of sample types, hazard warnings or manufacturer information.
- **Text information**  
Complete the labels with important text details such as weights, filling timestamps and unique sample numbers.

### Label design and content

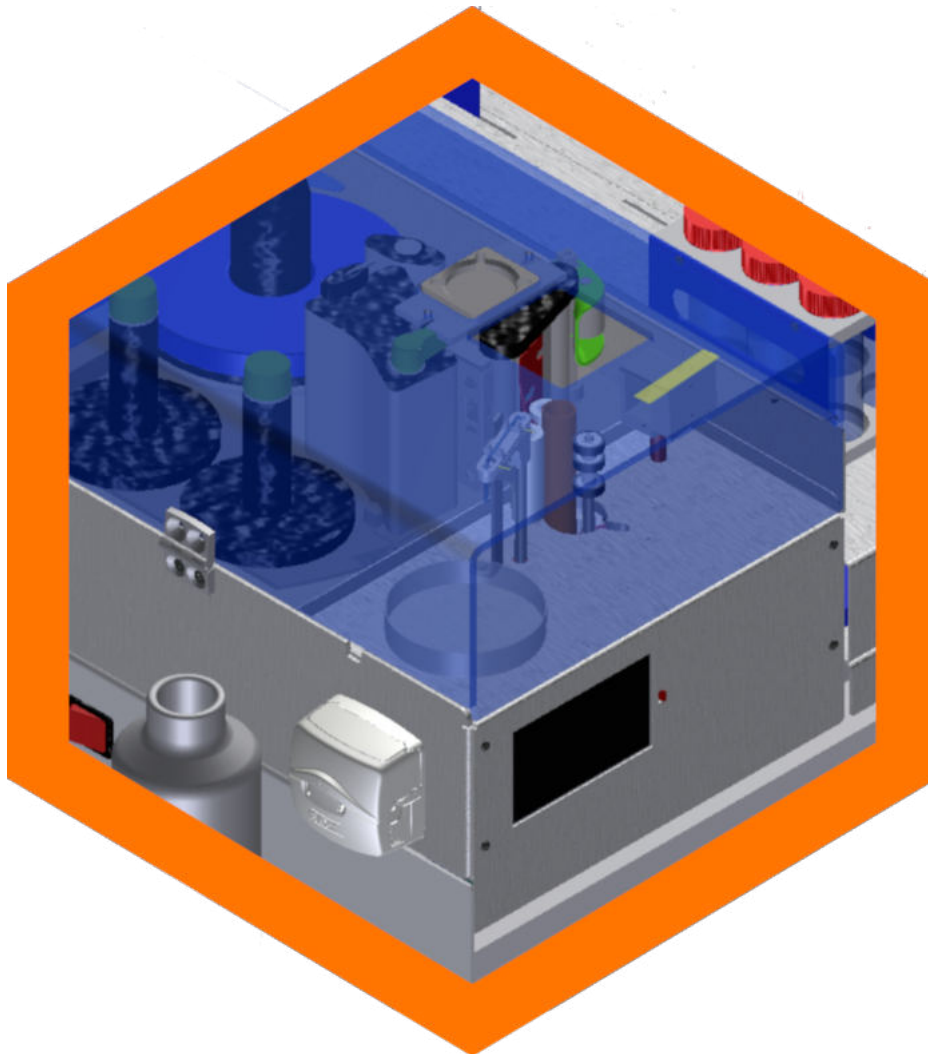
With the LAB-BOT-ONE you can not only ensure that each sample has exactly the information it needs. You also have control over the design of the label.

You can work with the design software of your choice (e.g. NiceLabel, CABLabel S3) or rely on our integrated solution and optimally combine label design and content.

Regardless of whether you need to label just a few or many tubes, the LAB-BOT-ONE is the perfect choice for any modern laboratory thanks to its flexibility, easy setup and the resulting increase in efficiency.

In addition to a large selection of readily available label formats, we also offer customer-specific sizes and pre-printed labels, such as colored logos.





- The multi-functional unit fixes the body of the tube or vial between three rollers. These are driven and allow the tube to rotate.
- The labeling module generates and dispenses the label on demand, which is applied to the tube by rotation and pressed onto it by the rollers.
- The lids are screwed on and closed efficiently as the transport gripper holds the lid and the screwing process is carried out by rotating the body.
- Liquids are dispensed using a swivel arm that rotates the needle over the opened vessel while the peristaltic pump precisely fills the liquid.
- Barcode information on the tube is captured safely and quickly during rotation by the integrated barcode reader.

## Precise filling of laboratory tubes

Efficiency and accuracy combined

Precision and efficiency when filling laboratory tubes are essential when processing a large number of tubes.

The LAB-BOT-ONE offers the perfect solution here. With its integrated peristaltic pump and the ability to automatically open and reseal screw-cap tubes, the LAB-BOT-ONE will revolutionize your laboratory processes.



### High-precision filling processes with the integrated peristaltic pump

The LAB-BOT-ONE is equipped with a high-precision peristaltic pump that ensures precise dosing of liquids into the laboratory tubes. Thanks to the swivel arm and the cannula that moves at the same height, the risk of aerosols and hanging drops is drastically reduced. This is particularly important for precise filling of small volumes or substances with hazardous potential.



## Exact determination of sample weights

Fully automatic to 0.1 mg accuracy



Determining the sample weight is often an important but time-consuming step in everyday laboratory work. The LAB-BOT-ONE optimizes this process by eliminating manual intervention and delivering consistent measurement results fully automatically. The separate weighing of samples - for example as part of a quality or incoming goods inspection - is thus just as reliably possible as the determination of the actual filling quantity as an inline process control.

### Fully automatic reproducible weighing results

With the integrated weighing module from Sartorius, the universal weighing sensor and the automated windshield, precise and reproducible weighing results are achieved quickly. The tubes can be weighed with or without the lid, as the LAB-BOT-ONE can unscrew the lid in the active unit and store it temporarily. Thanks to the LAB-BOT-ONE, the determination of sample weights is more precise and efficient than ever before.





## FlexDeck

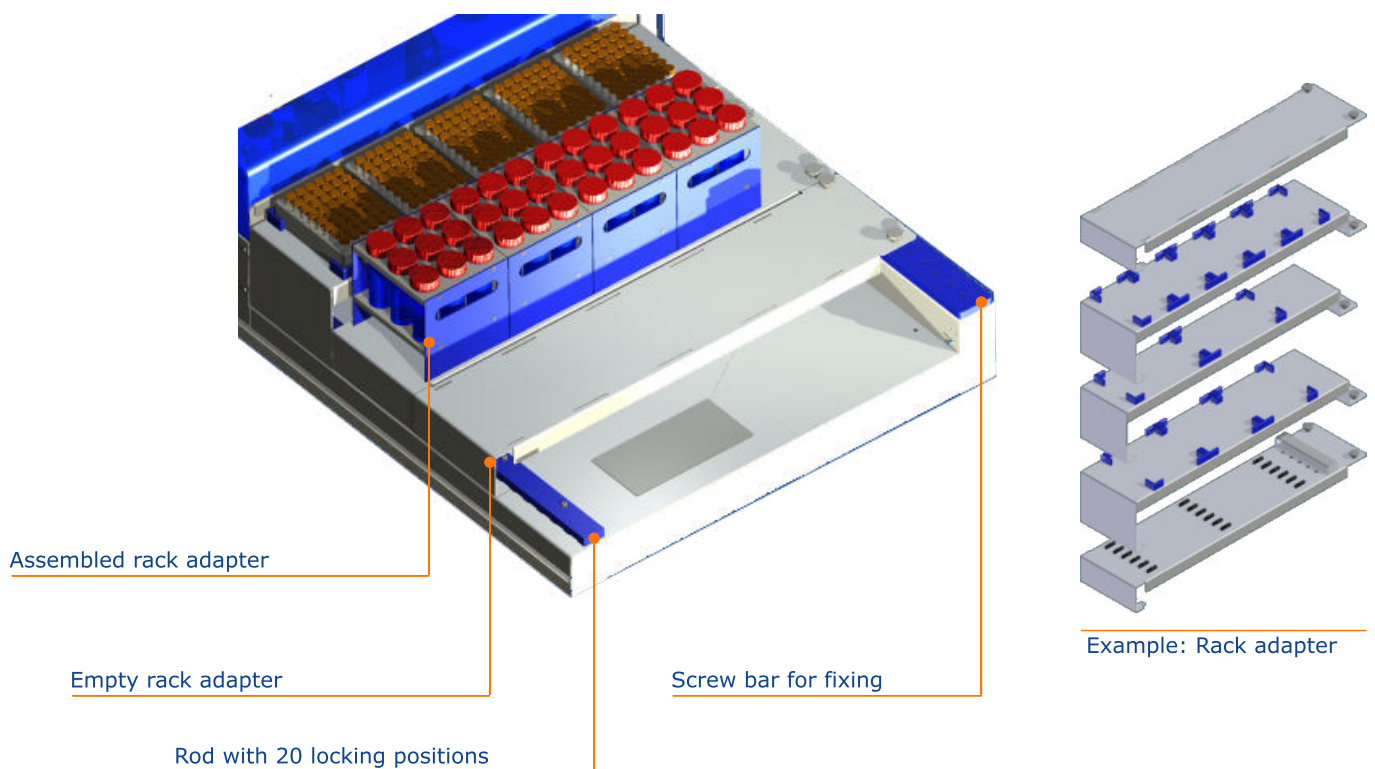
Flexible without compromise for all racks and tubes

The FlexDeck enables an uncomplicated setup for every task and every tube type. Rack adapters and racks can be changed in seconds to achieve optimal coordination. Most rack adapters have several mounts or positions for commercially available or special racks suitable for automation. Rack adapters for carriers of pipetting robots are also available (e.g. Hamilton). The open access to the deck enables the racks to be loaded with external robots or processed with external devices such as a pipetting robot.

The deck has 20 locking positions, with each adapter occupying several locking positions. The scale requires 2 positions and must always be placed on the right. The remaining space can be used flexibly and can be occupied by the same or different rack adapters.

Despite the compact dimensions of the device, very high tube loading capacities are achieved and ensure a long walk-away time.

All rack adapters are made of stainless steel and are easy to clean. Numerous adapters and racks for different tubes and vials are already available (see price list).



If a rack or rack adapter is not available, it will be constructed for you and added to the range.

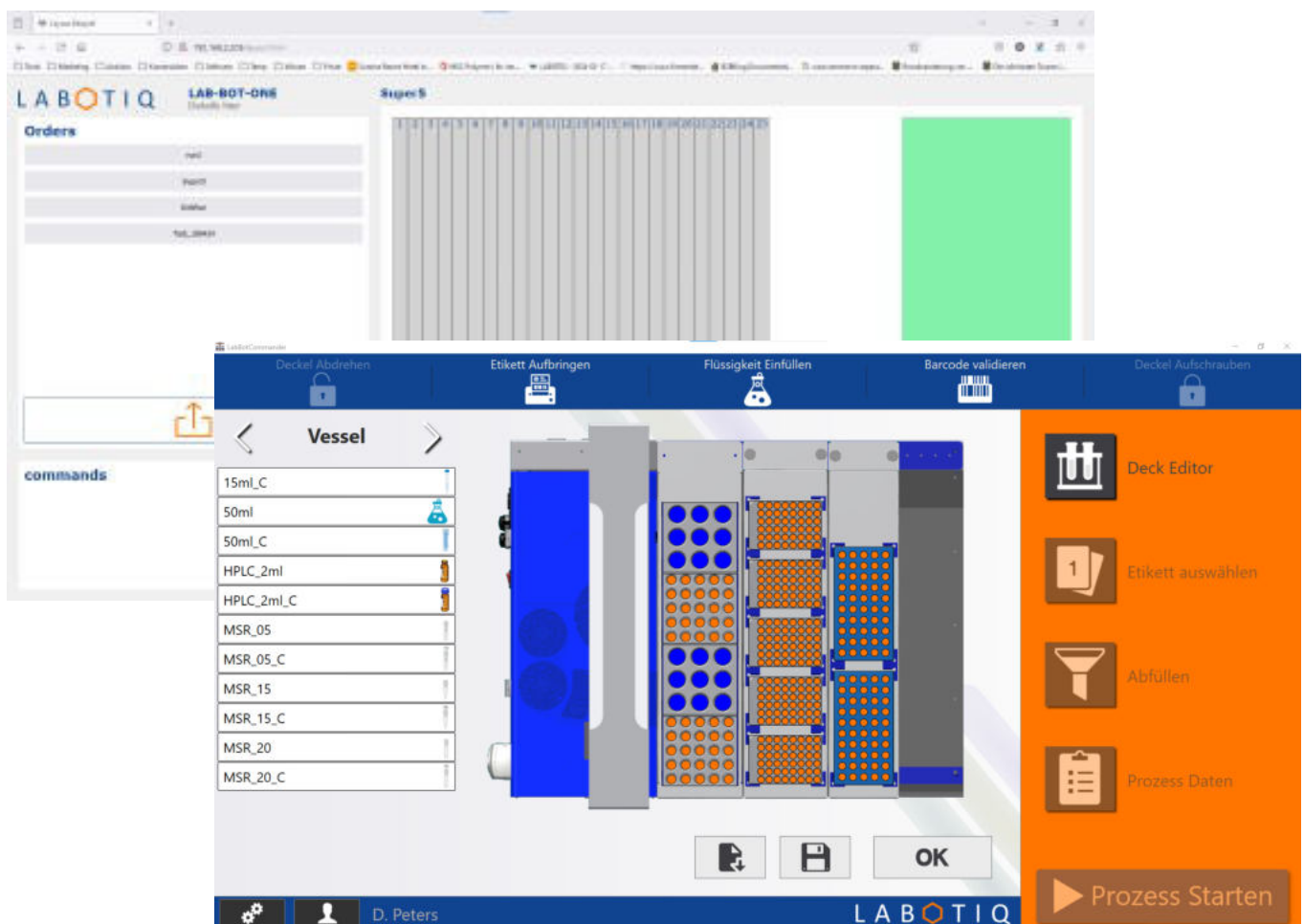


## Software

### Simply well connected

For the LAB-BOT-ONE software, we consistently use a modern architecture that separates device control from the creation of work orders. Control is carried out directly via a built-in microcontroller with web server (REST), which means that the device status and control can be viewed from any browser in the network. This enables optimal control of work orders, even when the devices are physically separated, and saves time-consuming computer administration and the space required for an additional monitor on the device.

The work orders are described by JSON files that can be created by a customer-side application. For standard applications, our LAB-BOT-ONE Commander offers a user-friendly tool that delivers optimal results for most applications. This Windows software can be installed on multiple workstations that all operate the same LAB-BOT-ONE - comparable to using a network printer. This setup is ideal if the device is used by different workgroups.

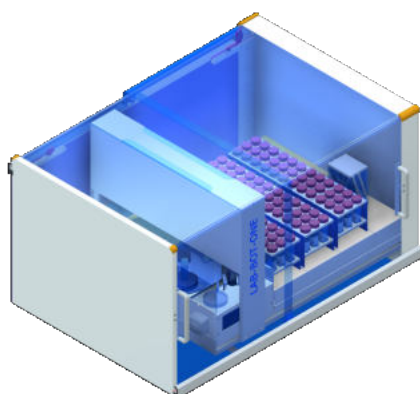
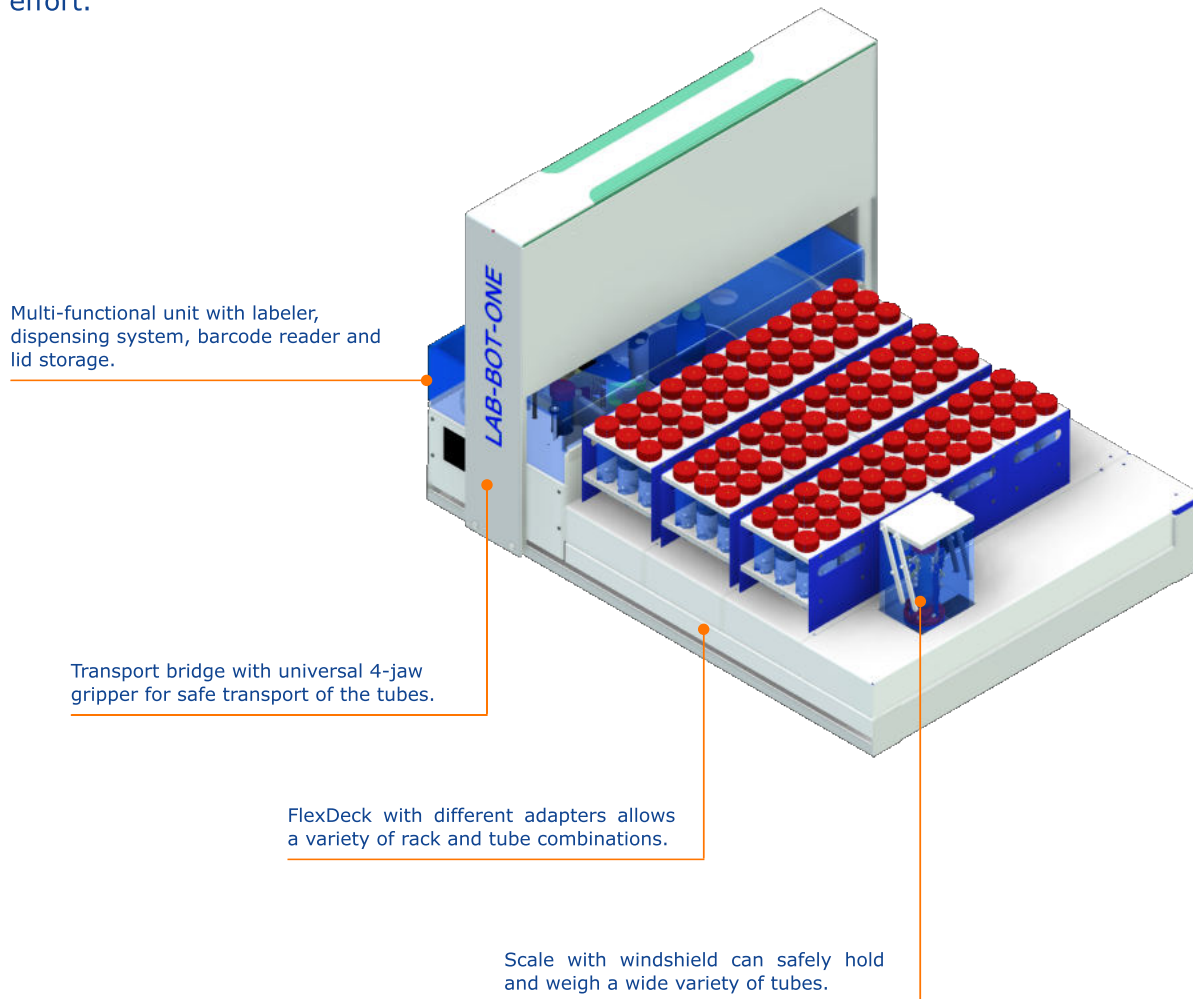


## Compact desktop device

### Open design for collaborative working

The well thought-out design of the LAB-BOT-ONE allows the user to easily adapt it to their individual requirements. Place the device on a laboratory bench, in a fume hood or a sterile workbench. The device has all the necessary features for safe cooperative operation. A hood is also available as an option.

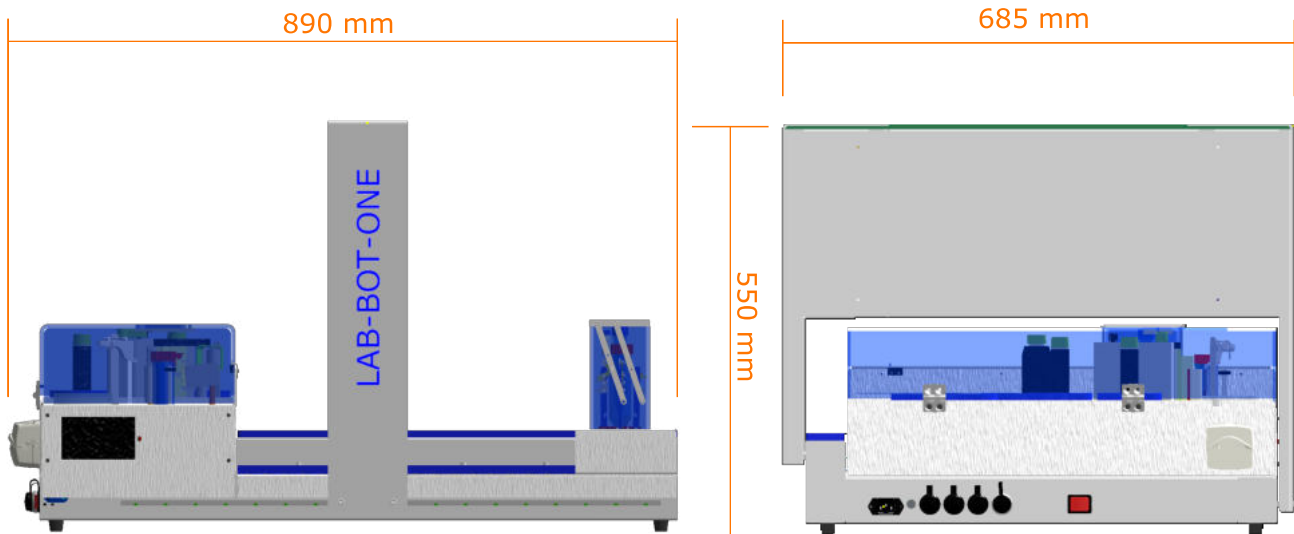
The LAB-BOT-ONE does not require an additional monitor/computer for control or a compressed air connection. This saves valuable space and significantly minimizes installation and maintenance effort.



### Optional enclosure / hood

- Protected operation with automatic shutdown when opened.
- Optionally available. Can be installed or removed later.
- Large opening area allows unhindered access to the FlexDeck.

## Specification



### Device dimensions and weight

	Height	Width	Depth	Weight
Device	550 mm	900 mm	680 mm	42 kg
Enclosure	590 mm	1100 mm	790 mm	12 kg

### Kapazität

	Grid size	Pitches	Racks	Max. number Vials
<b>SBS - Racks</b>	6	5	15	
	<i>Micro screw tubes</i>			720
<b>HPLC - Vials</b>	5	2	8	
	<i>50 position rack</i>			400
<b>Cryo (8x8, 9x9, 10x10)</b>	6	3	9	
	<i>9x9 rack</i>			729
<b>Hamilton-Carrier</b>	6	5	15	
	<i>24 position carrier (D=14,5...18mm)</i>			360
<b>1550er - Rackträger</b>	6	4	12	
	<i>15ml centrifuge tubes</i>			300
	<i>50ml centrifuge tubes</i>			108

### Supply and connections

<b>Operating voltage</b>	110-240 VAC/50-60Hz
<b>Power consumption</b>	max. 500 W
<b>Power connection</b>	C14
<b>Ethernet</b>	Yes
<b>USB</b>	Yes

### Tube compatibility

<b>Length</b>	max 120 mm
<b>Diameter</b>	10-30 mm
<b>HPLC</b>	Yes
<b>Cryo</b>	Yes
<b>Blood collection tubes</b>	Yes
<b>Reaction vessels</b>	Yes
<b>Test tubes</b>	Yes
<b>Centrifuge tubes</b>	15 ml, 50 ml

A detailed specification can be found on our website:



# LABOTIQ

AUTOMATION FOR YOUR ROUTINE WORK

## > One-Stop-Shop

We not only supply a device but also offer the necessary accessories and consumables for operating the LAB-BOT-ONE from a single source. This ensures reliable use of the device.

## > Financial service

In addition to an unbeatable price-performance ratio, we also offer manufacturer financing for the device so that you can benefit from the advantages of the LAB-BOT-ONE as quickly as possible. There is also the option of renting the device in an all-inclusive package for 12, 24 or 36 months. This package includes all ongoing costs for maintenance and service.

## > Support

We offer delivery, installation and instruction at attractive fixed prices. We also support trouble-free operation with annual maintenance. With a maintenance contract on request.

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