GET IN THE *FLOW*

Choose the liquid handling robot, flowbot® ONE, for a more flexible and reliable solution.

flow robotics

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Once the programs are in, everything is pretty obvious.

And then it is literally just a matter of pressing 'start'. We have had no real need for training.

Molecular Biologist,
Ampliqon

INTRODUCING flowbot® ONE

Smoothly empower your team with the intuitive pipetting robot, flowbot® ONE.

The possibilities with lab automation are greater than ever. But so too are the challenges with creating user-friendly and flexible solutions that fit into any lab.
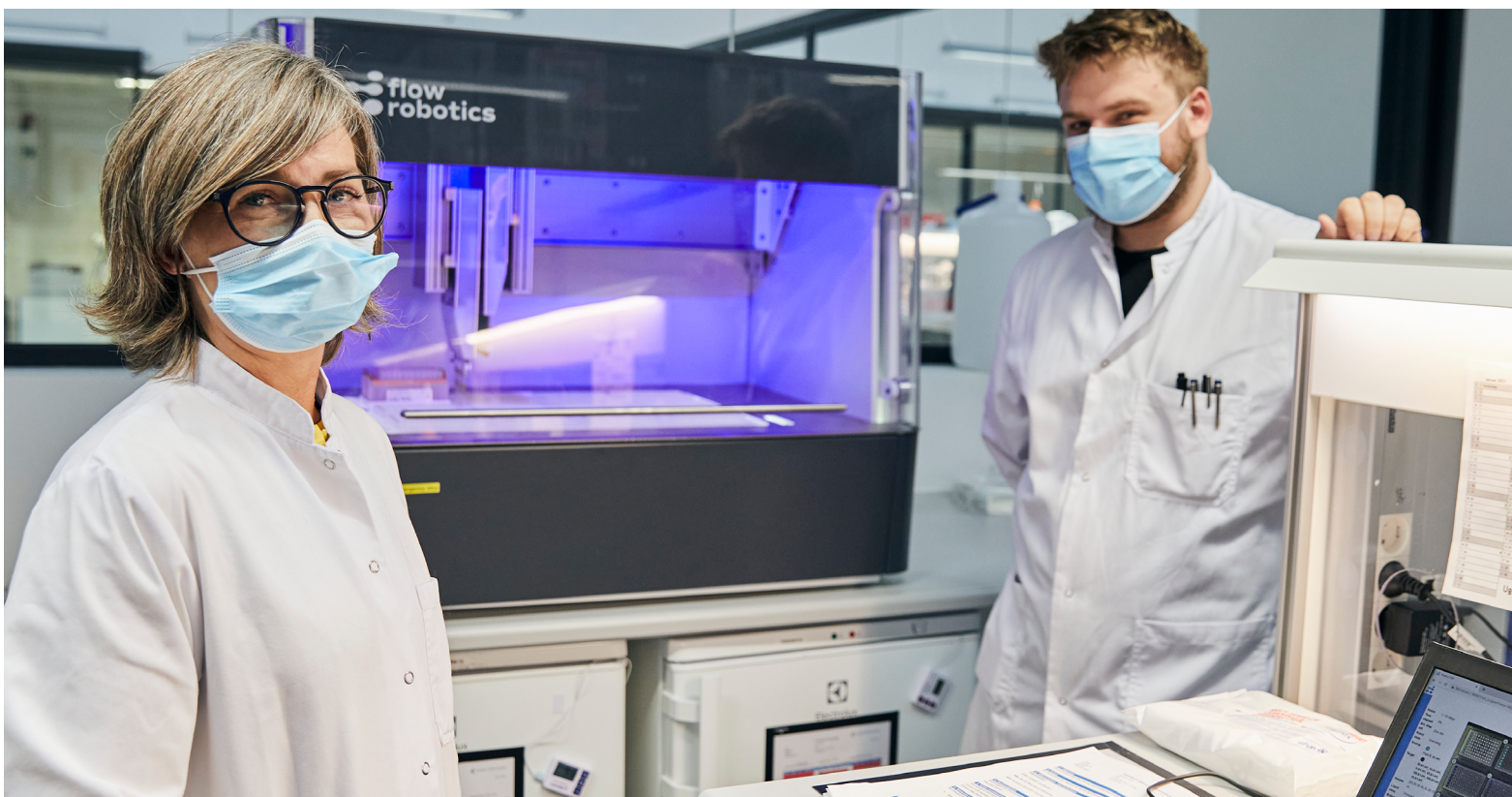
With flowbot® ONE, you get an intuitive pipetting robot. Anyone can use this robot and get in the flow.
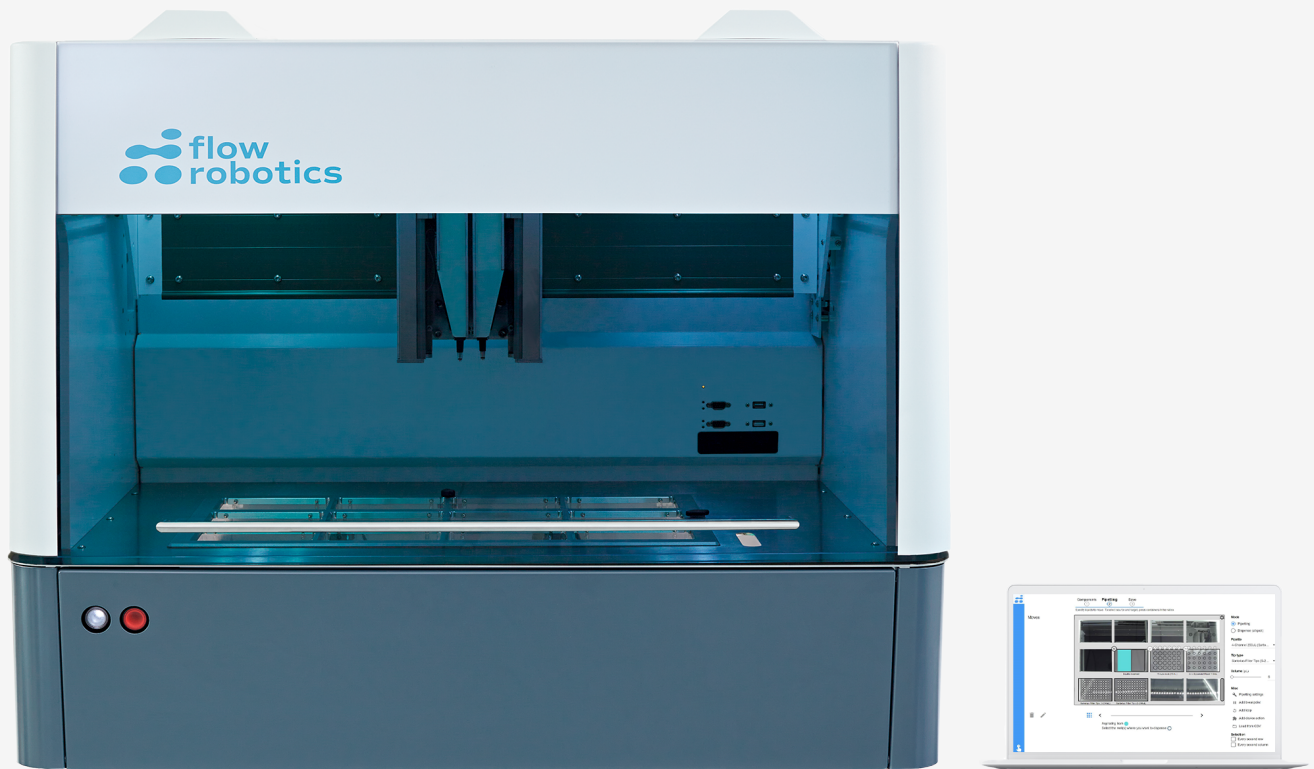
flowbot® ONE is a high accuracy solution developed for immediate adjustment.

Its browser-based software doesn't require a programmer and there is no need for complicated programming whenever a lab procedure changes.

This makes it ideal for future-proofing your lab and taking it to the next level.

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Hands-on time have been reduced from 2:15 hours to 20 minutes when running up to 8 biomarkers simultaneously in the lab.
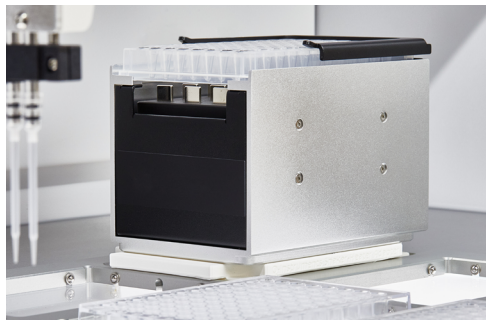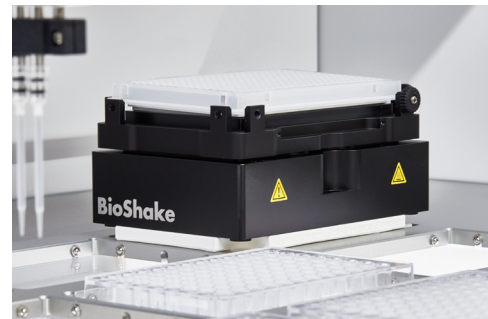
Lab technician,
Nordic Bioscience

SUPPORTING AN EVEN MORE FLEXIBLE SETUP IN YOUR LAB

Various devices are already integrated in the software and can be placed on any of the 12 positions on the deck.

SHAKER/HEATER

The Bioshake 3000-T is a heater and a shaker in one module and can be integrated into your flowbot® ONE. It heats from ambient up to 99 °C in a short time.
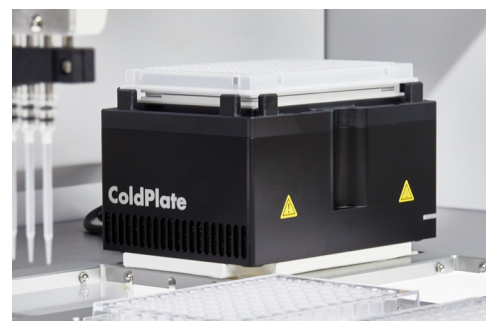

MAGNETIC DECK

A moveable MagneticDeck ideal for your automation. The MagneticDeck can be intergrated in your flowbot® ONE and can be used with your choice of 96 well-plate.

COLDPLATE

Highly accurate temperature control for tubes, glass vials or microplates that can be integrated with flowbot® ONE. Adjustable from -10°C to 99°C.

SEVERAL APPLICATIONS CAN BE AUTOMATED ON flowbot® ONE:

✓ Sample preparation

✓ Sample aliquoting and tranferring

✓ Magnetic bead purification

✓ Normalization

✓ Reformatting

✓ Microplate filling

✓ Pooling

✓ Cherry picking

✓ PCR & qPCR

✓ NGS

✓ ELISA

✓ Dilutions

READY-TO-GO PACKAGES

NGS Package

PCR Package

flowbot® ONE can be easily configured for different needs and projects. With our packages, we offer all the add-ons you need for specific protocols.

For more information write to sales@flow-robotics.com or visit www.flow-robotics.com

ENSIGNA BIOSYSTEMS USE flowbot® ONE TO OPTIMIZE WORKFLOW

Ensigna Biosystems uses the flowbot® ONE to prepare samples for qPCR and, on occasions, protein assays. This enables them to accommodate their customers while creating a good working environment at the same time.

Preparing samples for qPCR in 96 well plates requires a lot of pipetting. In fact, it can amount to 200 pipetting moves per plate. This is time-consuming and tedious work to perform manually, which Ensigna Biosystems was doing prior to getting the flowbot® ONE.
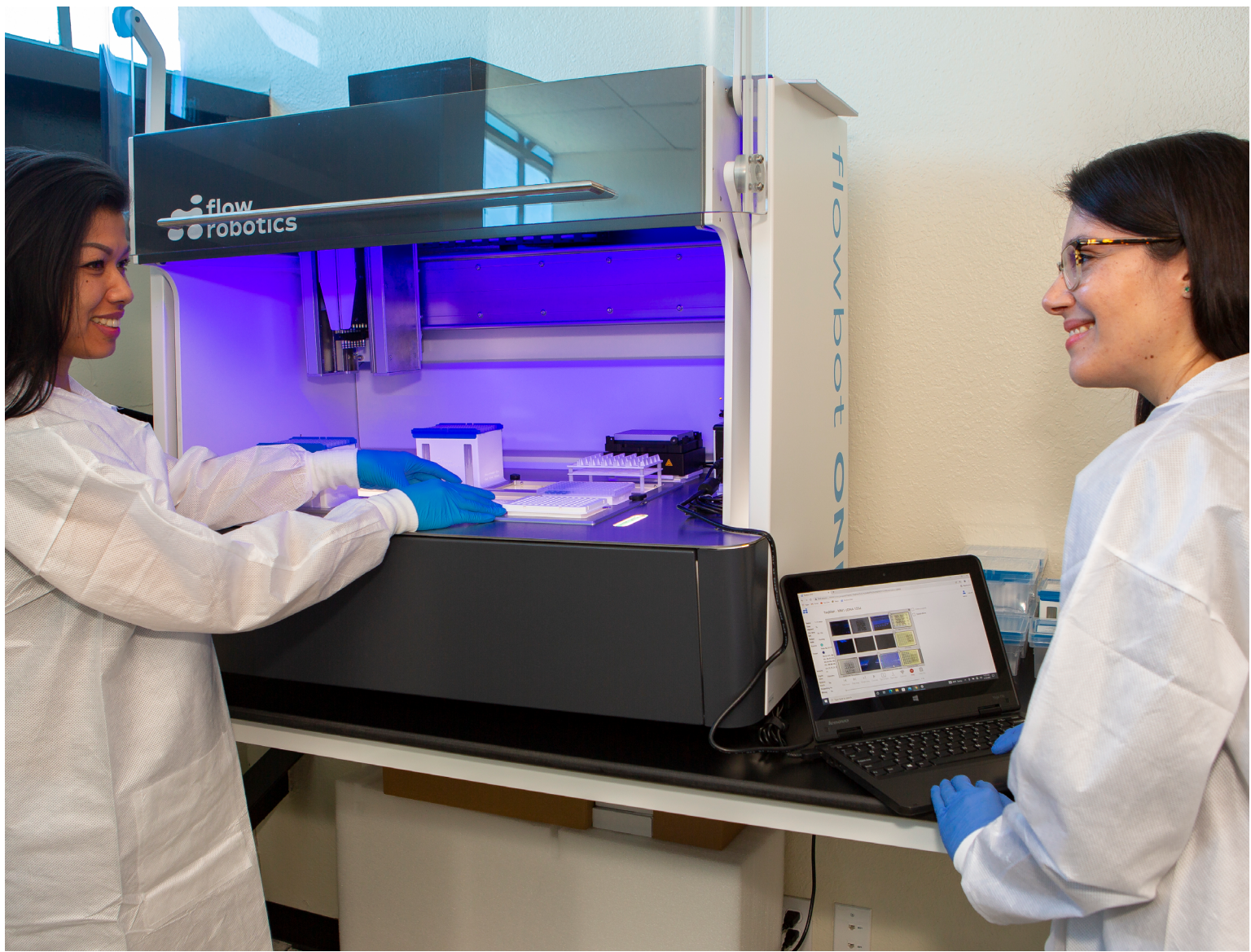
The company decided to automate liquid handling because it was necessary to speed up their processes. Their clients were bringing in a large number of samples and pushing for faster results.

Robert Ertsey, Sr. Manager of Lab Operations and the primary user of flowbot® ONE, experienced significant change in his everyday work after implementing the robot, making it a breeze to meet customer demand.

"Our clients were really pushing us to get the results faster, so we started thinking about ways to optimize This is where flowbot® ONE came into play. Now, our clients are really happy that we are able to do it faster"

He specifies that the same thing goes for avoiding human errors. An error might mean that they have to start the experiment all over. That is a huge set-back timewise.

"

flowbot® ONE allows you additional time for other procedures. We perform do better experiments and use the time we save on analyzing previous experiments.

Sr. Manager of Lab Operations,
Ensigna Biosystems

SPECIFICATIONS

PIPETTE CHANNELS . . . .
2 pipette modules with 1, 4, or 8 channels

VOLUME RANGES . . . .
1-20µL or 2-200µL or 10-1000µL

PRECISION AND ACCURACY . . . .
Complies with the ISO-8655 standard

CONSUMABLES . . . .
Pipette tips: Flow Robotics filtered
pipette tips.

INTEGRATABLE DEVICES . . . .
Heater/cooler/shaker
Magnetic module
Can be controlled in the software.

HEPA FILTER OPTION . . . .
To prevent cross-contamination.

UV LIGHT OPTION . . . .
For easy disinfection of the robot.

CAPACITY
12 SLAS (SBS) compatible positions

DIMENSIONS
W100cm x D66cm x H83cm (closed)
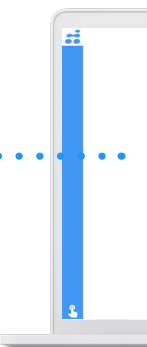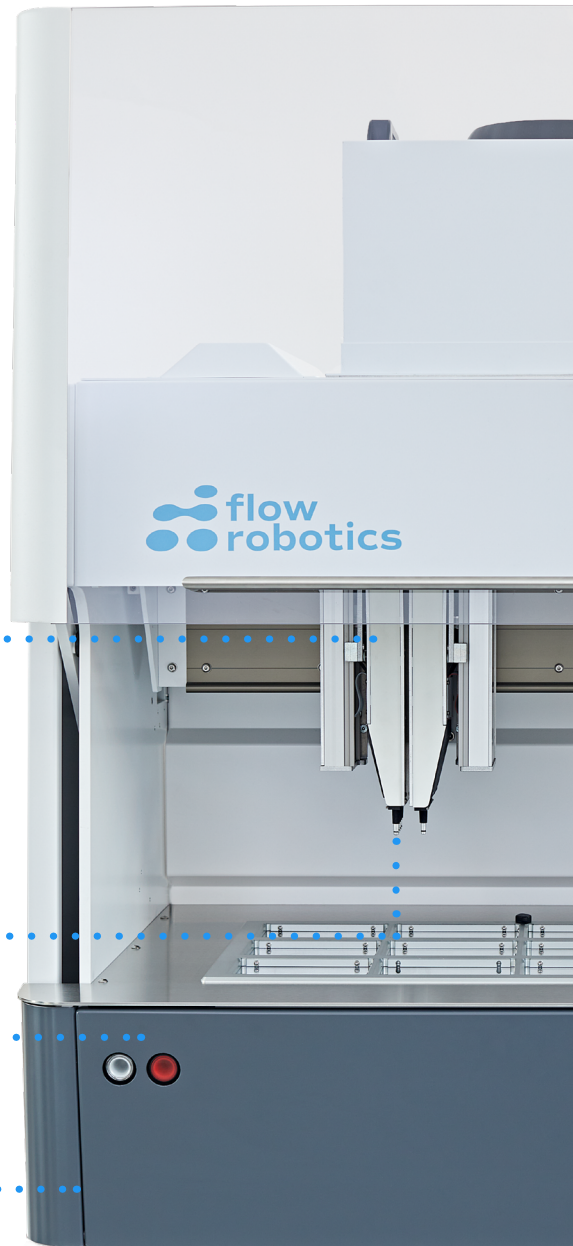W100cm x D66cm x H122cm (open)

WEIGHT
105 kg

WIFI OR CABLE . . . .
No installation required. Log on
directly from your computer to
the robot.

SOFTWARE . . . .
Runs in the browser (Chrome).

LABWARE

Standard components already predefined in the software. New components can easily be defined by the user

PIPETTE TIPS USAGE

Automatic calculation of number of pipette tips needed for each run. If needed new time estimation for new loading is provided.
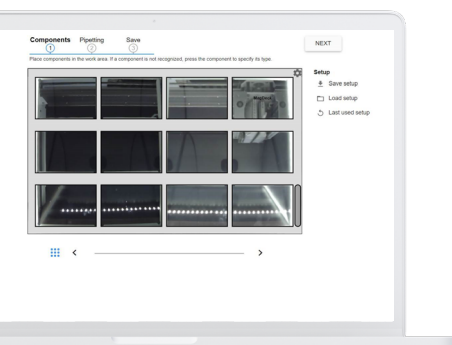
TIP DETECTION

Pipette modules automatically detect if tips are on or not.

LIQUID LEVEL DETECTION

Pipette modules automatically detect the liquid level.

MORE FEATURES

- Bottom touch
- Optional tip reuse
- Pause (reaction or incubation time)
- Customizable liquid classes
- CSV Import/Export of programs
- Logs of executed programs
- Sharing programs between users
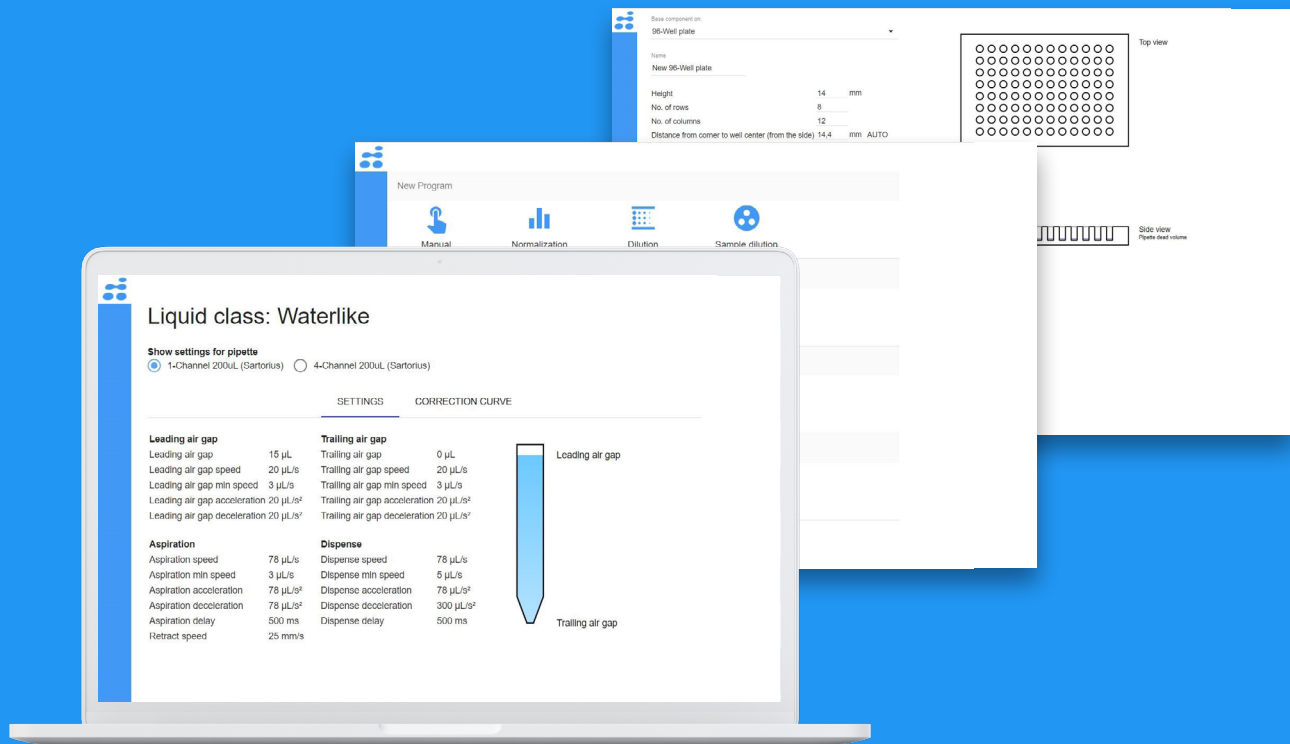- A time estimation for the length of the program is made for each run.

SET UP YOUR PIPETTING PROGRAMS IN MINUTES

We have designed the user interface to be as intuitive as possible. This means no need for extensive programming or any previous experience with pipetting robots.
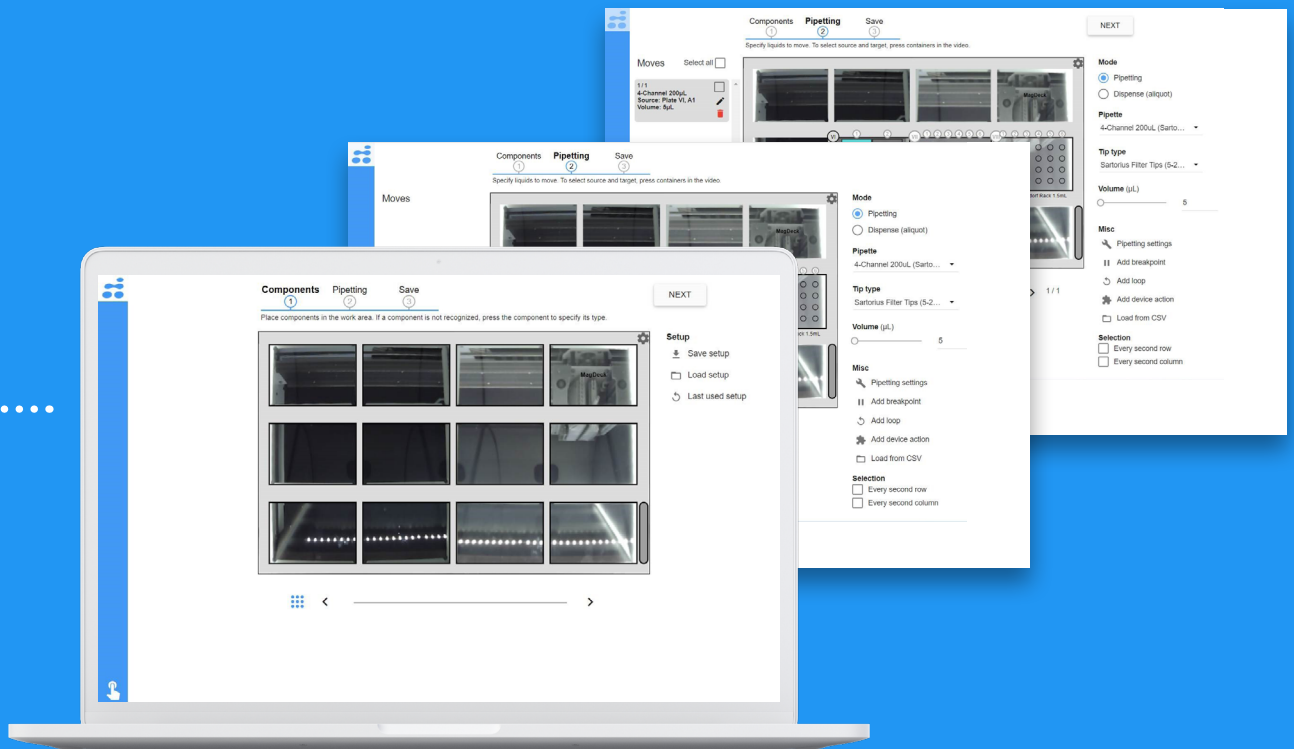
All the features needed for a flexible and reliable solution are available and always at hand.

SOME KEY FEATURES:

- Open API for easy integration
- Log files - both PDF and CSV
- Barcode scanning for data transparancy
- Preview programs before run
- Create your own liquid classes and components
- Compatible with devices like shakers and coolers

Learn to use it in 1 hour - and make programs in minutes!
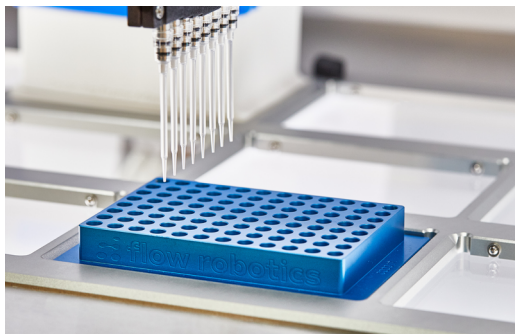
"

Now, the sclerosis patients get answers 30 % faster than before. The processing time has been significantly shortened and it is really satisfying to me. We could not have done this without the flowbots.

Medical Laboratory Technologist,
Unilab

LABWARE FOR YOUR NEEDS

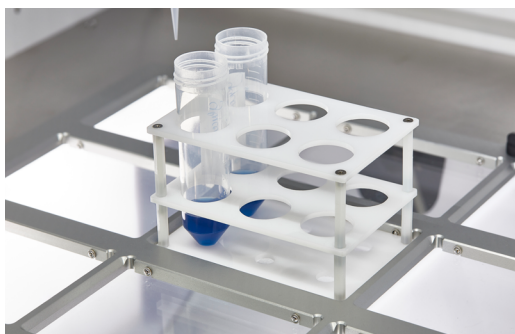We produce racks, pipette tips, and tip box adaptors to accommodate your workflow.
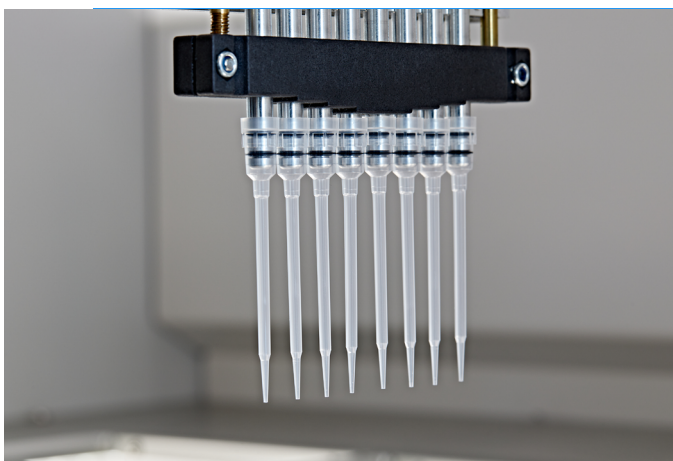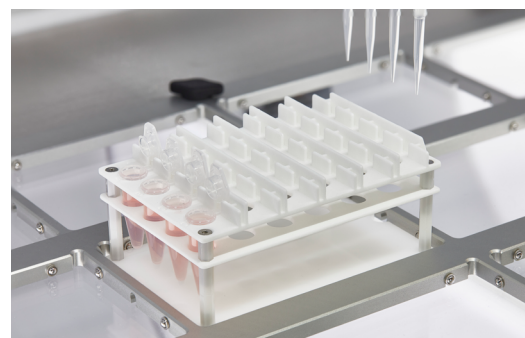
COOLING BLOCKS

8 ML RACK
SAMPLE COLLECTION TUBE

50 ML RACK
CENTRIFUGE TUBES RACK

1,5 ML RACKS
MICROCENTRIFUGE TUBE

PIPETTE TIPS
At Flow Robotics we offer our own brand of high-quality pipette tips.

FAQs

Frequently asked questions about flowbot® ONE

? **WHICH PROGRAMS SHOULD I DOWNLOAD TO RUN flowbot® ONE?**
No downloads are needed. flowbot® ONE is operated as a browser-based application.

? **DO I NEED INTERNET ACCESS TO RUN flowbot® ONE?**
Yes, as soon as a program is saved, it can be reused and edited. It can be shared, so all users of the robot can execute the program.
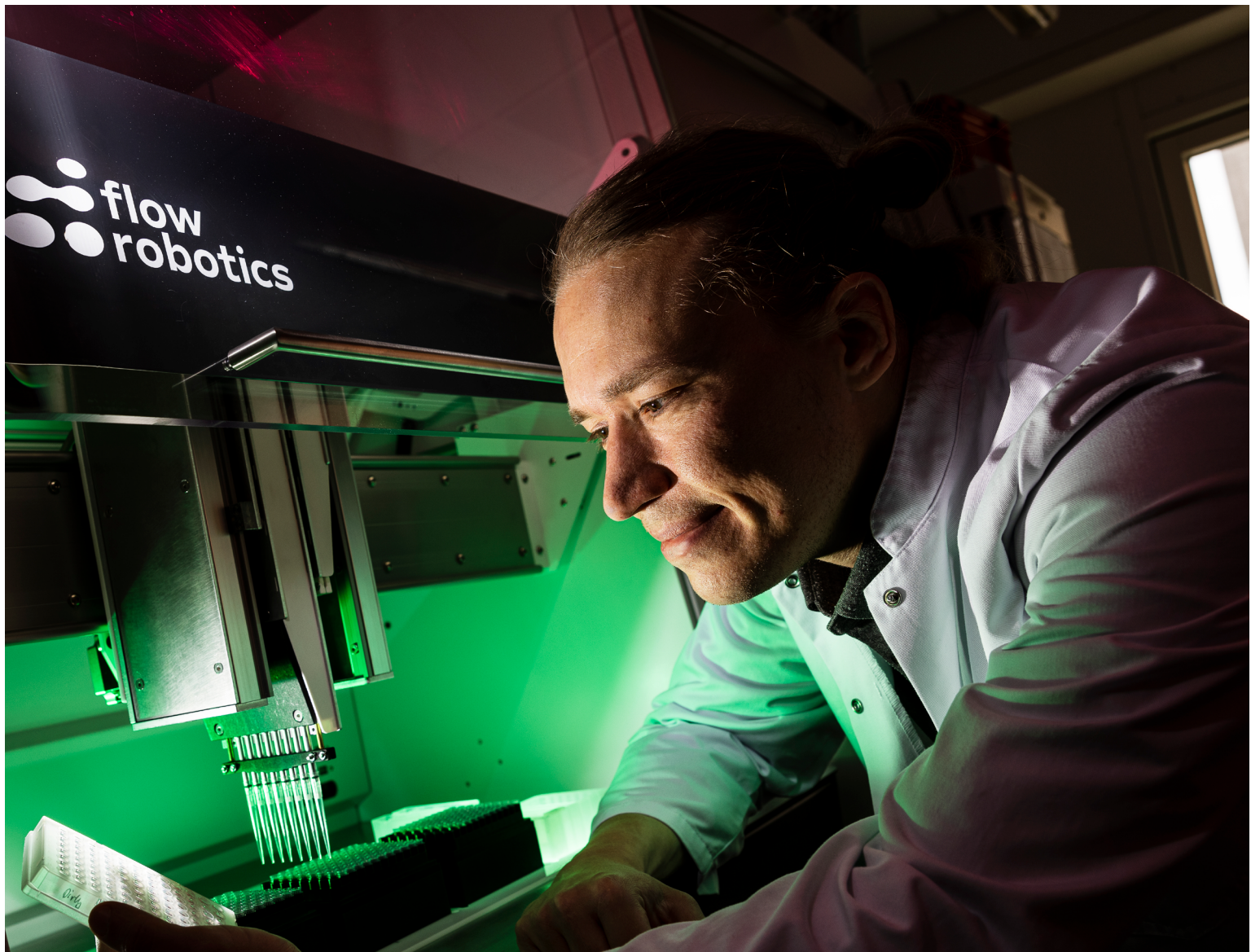
? **CAN I GET DATA OUT?**
Yes, you can enter input data with a barcode scanner, manually or in a CSV file and retrieve the results in a CSV file after job execution.

? **WHAT MAINTAINANCE IS REQUIRED?**
We recommend a daily inspection of O-rings on the pipette modules. Further service information can be found in our data sheet.

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It is not just easier and faster for us. It is also better for the project and guarantees less contamination and better reproducibility, which we really appreciate as scientists.

PhD student,
Copenhagen University of Food Science

flow robotics