



uMobileLab



-  Pharma
-  Hospitals
-  Food & Cosmetics Industries
-  Material & Environmental Services
-  Educational Institutions

LIFE SCIENCE

Redefining Lab Automation with **Smart Mobility: Meet uMobileLab.**



“uMobileLab is a mobile and versatile collaborative lab automation solution that integrates seamlessly into existing lab workflows. It increases efficiency during workload fluctuations and enables the efficient completion of tasks, while navigating safely in various lab settings and environments.

The uGO software allows for workflow sequencing and management. Flexible financing options, such as Robot as a Service (RaaS), make it an ideal solution for labs seeking to streamline their workflows and maximize productivity.”

> What is uMobileLab capable of?

uMobileLab can fully or partially automate various tasks* at different stages of the laboratory workflow.

Pre-analytical:

- Transport samples from collection points to labs
- Receive and sort samples, unpack if necessary
- Preprocess samples, including smart identification and prioritization
- Load and operate centrifuges, analyzers, and other peripherals
- Automatically refill reagents for diagnostic equipment
- Perform any necessary sample handling or routing to analyzers

Analytical:

- Conduct sample analysis and reflex testing
- Perform pipetting and HPLC process connectivity
- Cap and de-cap samples
- Monitor sample levels
- Manage reagent and consumable logistics

Post-analytical:

- Process and archive samples
- Dispose of samples appropriately
- Transfer and deliver samples to archive areas using object recognition and landmark recognition
- Open doors and use elevators

*The tasks listed may not necessarily be limited to a specific stage in the lab workflow, and some tasks may overlap between different stages.



> The Technology Behind

How can uMobileLab achieve this and what makes it so different?

- 01 Autonomous navigation** with advanced sensors and navigation technology for safe and efficient movement through complex lab spaces.
- 02 uGO software enables easy connectivity and integration** with a variety of lab equipment through standard APIs, including diagnostic equipment and HPLC processes.
- 03 Robot task/workflow management** and sequencing through uGO software, streamlining and optimizing lab processes.
- 04 Intelligent task prioritization** through smart identification and prioritization technology to ensure critical tasks are completed first.
- 05 Human-robot-collaboration** with features such as audio recognition, smart chatbot, and voice command operation for easy and intuitive use by lab personnel.
- 06 Modular design** with changeable robot grippers for various tasks, ensuring adaptability to different lab environments.
- 07 Human safety and data privacy** prioritized with highly sensitive sensor technology and certifications.
- 08 Color recognition & landmark identification** with AI camera for efficient task executions.
- 09 Door and elevator management** through uGO software, enabling easy control and utilization of existing automated systems.

With a focus on safety, efficiency, and adaptability in a collaborative environment, uMobileLab's cutting-edge technology differentiates it from other lab automation solutions on the market.

> uMobileLab Adoption

Made easy with our reliable support and flexible payment options.



Services

Chatbot:

Utilizes audio recognition and a smart chatbot for communication with operators.

Preventive Maintenance:

Benefit from predictive analytics, automation, and remote management to minimize downtime.

Browser Control:

Easily manage and evaluate system performance with our control unit and error display, accessible through your web browser.

Factory and Site Acceptance Test:

Ensure your system is running smoothly and meets all necessary requirements with our comprehensive testing process.

Documentation:

Access user manuals and CE declarations to ensure proper use and compliance with regulations.



Support

On-site Support:

Receive on-site installation, training, workflow and interface advice linked to your specific use case, ensuring a smooth and successful integration.

Online Support with Teamviewer Augmented Reality:

Our dedicated team is always available to provide real-time support, remotely accessing your system to quickly identify and resolve any technical issues.



Payment Options

With our flexible payment options, including the Robot as a Service (RaaS) model, pay monthly for the use of uMobileLab. This eliminates upfront investments and provides cost predictability with a fixed monthly rate that covers maintenance, services, and updates.

About United Robotics Group

Headquartered in Bochum, Germany and Paris, France, **United Robotics Group** brings together cutting-edge technology and robotic experts from the social and industrial world to empower humanity with technology. As the **CobiotX** company who creates the 3rd generation of robotics – robots for humans – the **United Robotics Group** is committed to developing solutions to meet social and business challenges in the life science, healthcare, hospitality, retail, education, intralogistics, maintenance and surveillance sectors with quality, data protection and sustainability as key driving forces. All planning humans in the center of all.

RobSolutions is part of the **United Robotics Group** and provides forward-thinking robotics solutions for lab automation, tackling the pressing skilled labor shortage in laboratories and improving efficiency and throughput.

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