



LiquidLab

Maximum Efficiency  
in Sample Preparation  
and Analysis



With **LiquidLab**, HERZOG introduces a new generation of modular laboratory automation for elemental and molecular analysis.

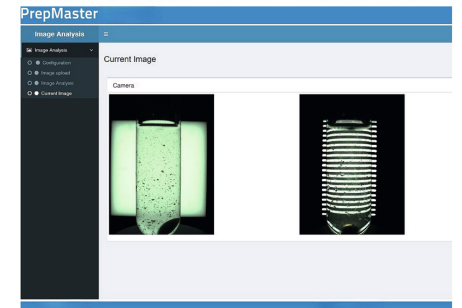
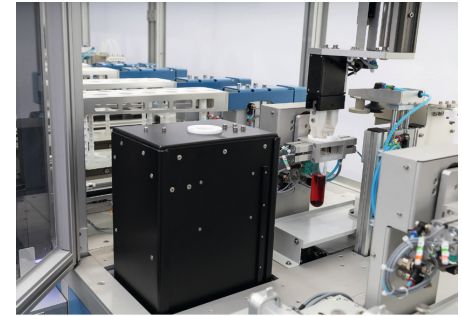
The system covers the complete workflow from sample loading through digestion and extraction techniques to automated transfer to analytical instruments – fully automated, reproducible, and contamination-free.





### LiquidLab – Your benefits

- Designed for high sample throughput
- Scalable to meet growing requirements
- Optimized for precise and accurate results



### PrepMaster Vision software

For fully automated monitoring of digestion and extraction processes



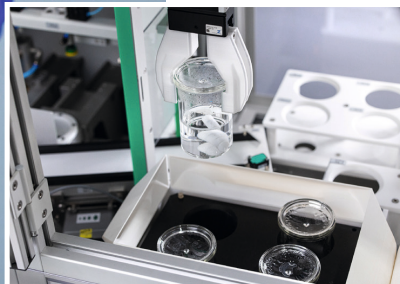
### Liquid dosing

Maximum precision and reliability in liquid dosing



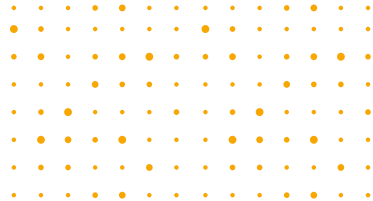
### Vessel types

Reliable handling of various vessel types



### Hotblock

Hotblock technology for efficient sample digestion



## Modular automation from sample to analysis

LiquidLab supports inorganic elemental analysis (e.g. ICP-OES, ICP-MS) as well as chromatographic methods, in particular GC and GC-MS applications. A wide range of sample matrices – liquids, solids, powders and pasty materials – can be processed safely and efficiently. The system integrates open-vessel digestion, microwave-assisted digestion, fusion techniques, and extraction methods such as LLE, SPE, or QuEChERS.

High-precision dosing and transfer units ensure excellent reproducibility, regardless of sample throughput or matrix diversity. Integrated process monitoring with PrepMaster Vision automatically checks digestion and extraction efficiency for each individual sample, detecting turbidity,

undissolved particles, or color deviations at an early stage to ensure maximum process reliability prior to analysis.

LiquidLab can be directly connected to a wide range of analytical instruments. Automated sample identification, precise volume determination, and demand-based dilution minimize manual handling and significantly accelerate the overall analytical workflow. Thanks to its modular design, LiquidLab can be flexibly scaled and adapted to individual laboratory requirements.



Automation

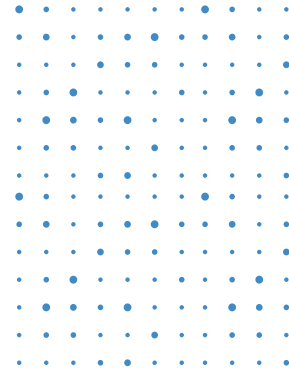
Safe. Fast. Reliable.

Automation of Wet Chemical Processes.

## HERZOG Automation: Our offer- your advantages

- ✓ Real and complete automation from sample input to analysis
- ✓ Enhanced speed through streamlined automation
- ✓ Precise, reproducible workflows every time
- ✓ Real-time data tracking for total traceability
- ✓ Modular design for each specific application
- ✓ Long-lasting equipment with minimal downtime
- ✓ Integrated software simplifies process control
- ✓ Easily scalable for changing lab needs

**Would you like to find out more?  
We would be happy to advise you  
personally.**



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