accroma
accuracy is key

The Future of Sample Preparation and Analysis Has Arrived

Introducing the accroma® samplePrep system



Intelligently increases productivity, reproducibility and traceability in your labs through automated sample preparation

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65% of the time spent testing oral dosage forms is devoted to chromatographic analysis.



30% of all Errors in chromatographic analysis are generated during sample preparation.

The samplePrep system automates manual preparation of samples, producing error-free and traceable results. Consistent preparation of samples provides repeatability and reproducible data. The technology has been designed to optimize lab efficiency and increase productivity. This allows scientists to execute repeatable experiments and minimize hands on time.



Up to 124 different samples & workflows at the same time



Results

Total Workflow Solutions From Samples to Answers With Superior Accuracy

SamplePrep -
As Efficient as You Will Be!



Get the Peace of Mind - The samples are filled into disposable tubes. This eliminates the need for cleaning between samples and solves cross-contamination problems.



Get the Flexibility - The tubes are then transferred by the robotic arm to the various modules on the system. This allows the flexible design of your methods and the parallel preparation of different samples/products.



Get the Speed - If grinding aids are added to the tubes, the shaking module in the system grinds the samples. This allows the analytes to be extracted into the solvent much faster than with conventional devices.

Stay safe - Liquids are added and removed using needles in the liquid module that pierce through the septa in the tube caps. This keeps the tubes closed during the entire sample preparation process, which ensures safe handling and prevents falsification due to evaporation.



Get the Traceability - The tubes are weighed on the load cell before and after liquid addition in order to gravimetrically determine the amount of liquid added. This allows process monitoring and increases the traceability of the sample preparation process.



Get Multiple cleanup options - Whether filtration, centrifugation, sedimentation, liquid-liquid extraction or solid-phase extraction-your samples are cleaned up automatically and reproducibly by the system.



Get error-free results - HPLC Vials are capped after filling, which avoids evaporation. The system can transfer the capped vials to a (U)HPLC for injection. The software interface to the chromatography data system enables the automated transfer of sequence tables created in accroLab and the hand-over of sample preparation data. This eliminates errors such as possible mix-ups with the vials and typing errors.

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Automation Brings Consistency and Traceability to Your Labs While Making Your Analysis Reproducible

Capabilities

The system has a modular structure and can be configured to suit your needs. Your requirements in terms of degree of automation, throughput, traceability and treatment options play an important role.

Weighing

Shaking
(Milling, Extraction & Homogenization)

Dispensing

Sonication

Dilu



Productivity, Efficiency

Consistency, Reproducibility

Traceability

Safety

tion

Centrifugation

Filtration

Capping

Online Analysis



Exhaust Mount

Liquid Module

8-Solvent Selector
Liquid Level Detection
Needle Wash

Robotic Handler

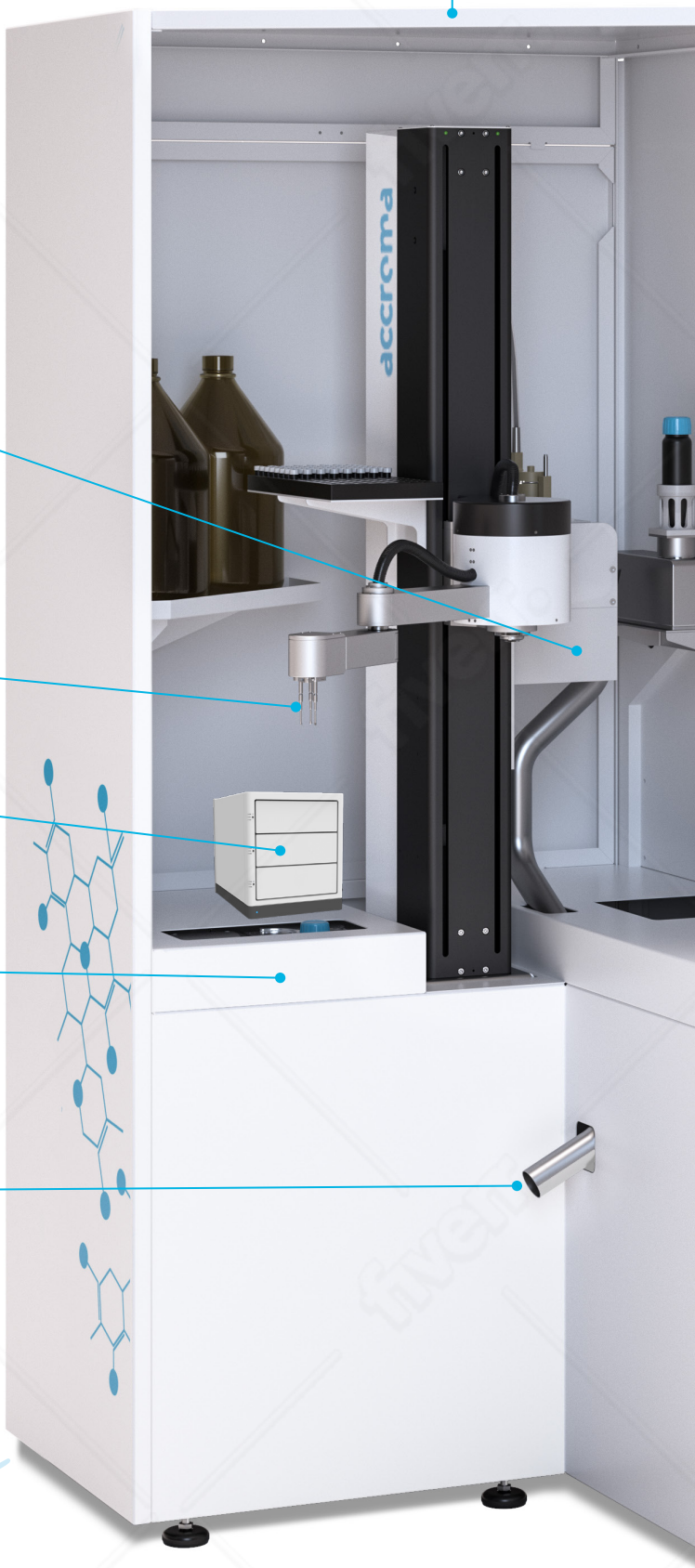
Cooled Vial Storage

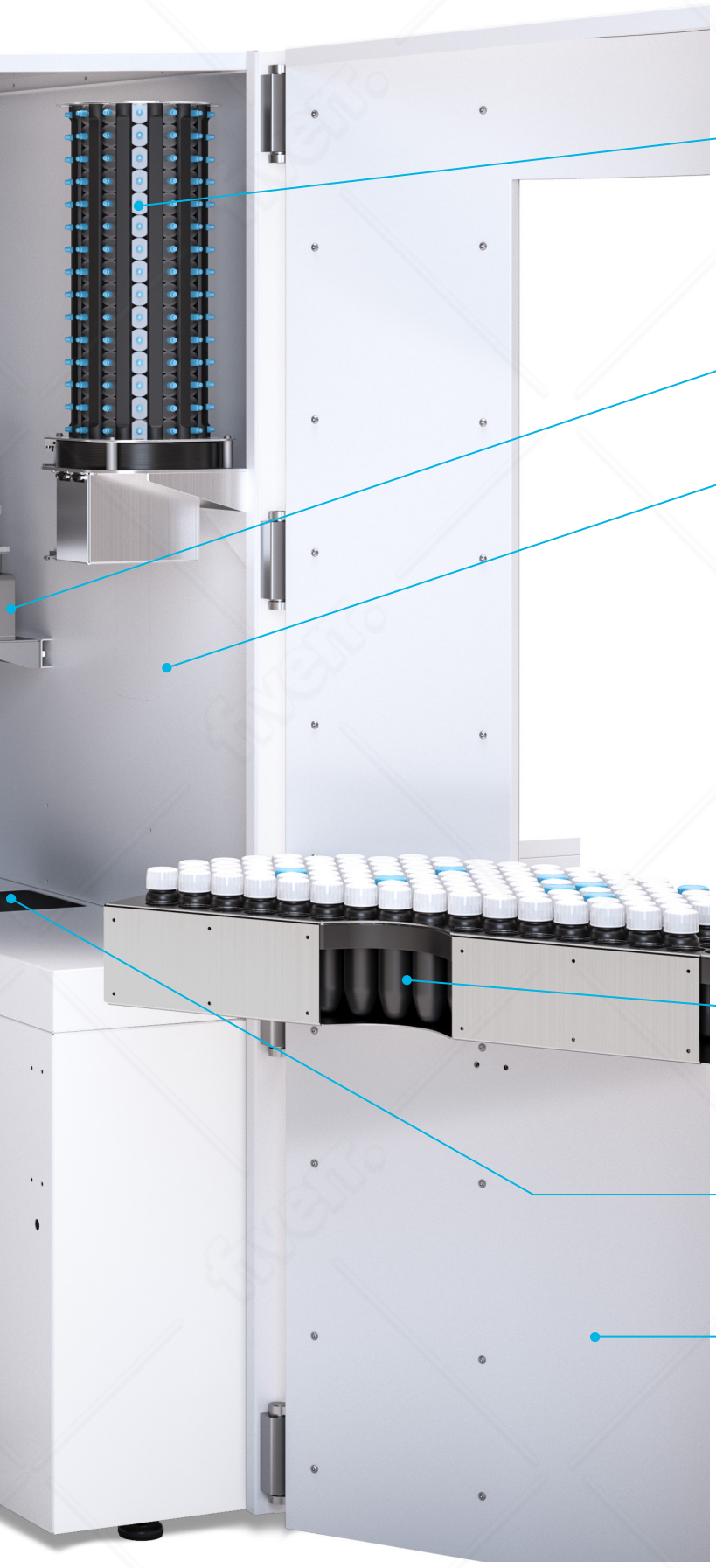
189 positions

Up to 2 Extraction Modules

Shaker
Sonicator

Filter Discharge





Filter Dispenser
Capacity: 169

Weighing System

(U)HPLC Interface



Tube Rack
124 positions

Centrifuge

Access-controlled Door



Benefit From a Step-by-Step Automation Process

The degree of automation is up to you. Due to the versatility of the accroTube, it can be used for manual sample preparation, in semi-automated instruments or fully automated systems. The samplePrep system is a modular plattform, which allows configuration according to sample treatment, throughput and degree of automation.

Seamless Method Transfer to Full Automation



accroTubes with steel balls



accroShake Standalone Shaker



Shaker with Robotic Tube Change



Samples IN - Vials OUT

+ Liquid Handling Modules



Samples IN -Results OUT

+ Online Analysis Interface



Automated Transfer of Sample Preparation Data From accroLab to Your CDS

accroLab Software

accroLab is a user-friendly software that can be linked to chromatography data systems (CDS) and fulfills the requirements of CFR 21 Part 11 guidelines. The software offers useful functions for analytical development departments as well as for quality control. Develop methods with the user-friendly workflow editor and the included design-of-experiment functions or prepare samples and inject the prepared vials directly into a (U)HPLC. The sample preparation data can be transferred directly to the CDS and displayed in the report.

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Service That Supports You!

Choose from different service levels (Instrument Care Plans) to run your instruments with highest uptime and efficiency. You define the frequency of maintenance and qualification and the level of cost coverage in case of repair. We also provide support in the development of automated methods.



accromate

~~Automate~~ your sample preparation!

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