



Analytical Solutions for Wet Chemistry





WE CRAFT ASSURANCE. For Our Partners, For Their Customers.

Founded in 2015 and comprised of nine strong product brands, KPM Analytics is a global leader in analytical instrumentation, inspection systems, and machinery, that enable companies to effectively manage product quality and brand value. Through long partnerships with global blue-chip companies in the industry, we focus on serving craftspeople in the food, agriculture, and environmental sectors, offering a comprehensive range of products and services to analyze critical parameters in their processes and solve their unique challenges. As a partner, we provide key metrics and intelligence to reduce waste and costs, increase energy efficiency, improve quality, and help companies protect their brands.

OUR PURPOSE

We provide premium quality assurance equipment for food producers, environmental researchers, industrial manufacturers, and others through expert craftsmanship and intimate knowledge of their business needs.

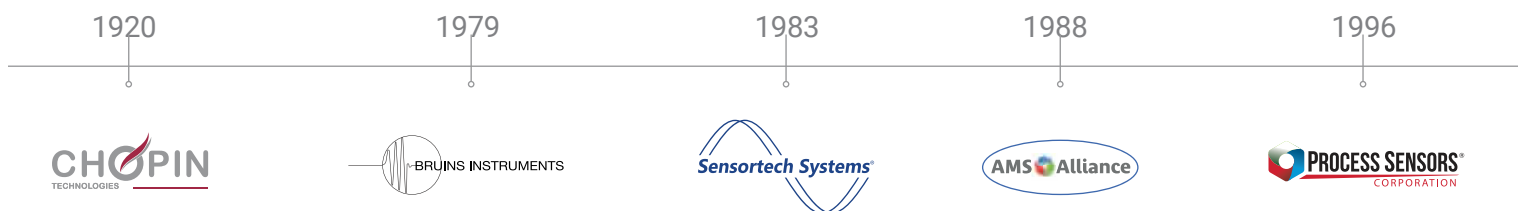
OUR VISION

Our partners all over the world will grow stronger from our driven, dedicated, and caring approach to solving their challenges, enabling KPM to become the global industry leader.

OUR MISSION

We provide the best solutions to help our partners control their product quality, scale capacity, and protect their brands.

NINE STRONG BRANDS SPANNING OVER 100 YEARS IN QUALITY ASSURANCE



Automated Chemical Analyzers that Streamline Operations

KPM Analytics provides automated wet chemistry instruments designed to automate and streamline the process of chemical analysis of liquids. Laboratories around the world conducting research, environmental analysis of water and soil, or food and beverage analysis utilize these instruments to perform routine tests on a daily basis.

For three decades, our AMS Alliance brand of discrete analyzers, continuous flow analyzers, and lactic acid activity monitors have helped laboratories improve operational efficiencies.

Key benefits:



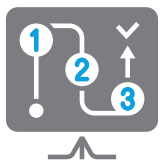
Automation to increase throughput and reduce the potential for human error: sample preparation, reagent addition, mixing, heating, and measurement processes.



Flexibility to support a wide range of applications, including the ability to handle different sample types and volumes.



Advanced data management to facilitate data collection, analysis and reporting.



User-Friendly interface and intuitive software for users of all skill levels to simplify training and operation.



Accuracy and precision to ensure trusted results that meet regulatory standards.

1999



2001



2009



2012

SMARTVISIONWORKS

2015



Serving Research, Environmental & Food Industries

Thousands of organizations worldwide use KPM Analytics' discrete and continuous flow analyzers, and in-line pH, temperature, and redox potential systems to provide accurate testing results in a variety of applications.



PLANT, SOIL, AND FERTILIZER ANALYSIS

- Optimize agricultural practices, ensure proper nutrient management, enhance crop productivity, and protect the environment.



WATER AND BEVERAGE ANALYSIS

- Assess pH, dissolved oxygen, impurities, acid, sugars, alcohol content, and several other parameters to ensure quality control and compliance.



FOOD EXTRACT ANALYSIS

- Help ensure the safety and integrity of food products, protect consumer health, and support accurate product labeling.



ACIDIFICATION TESTING

- Used by ferment and starter culture manufacturers for product quality and the development of new cultures for the dairy and fermented foods industries.

SmartChem® Series Discrete Analyzers

The SmartChem® Series is a high-precision, fully automated spectrophotometer platform for wet chemistry analysis. With over 10,000 units in use globally, its main applications include analyzing a variety of water types—such as drinking, wastewater, surface, and seawater—as well as testing beverages, soil, fertilizers, and food extracts.

Available in four models, SmartChem® provides an intuitive interface that simplifies operations and ensures productivity gains by automating routine laboratory procedures like testing, cleaning, calibration, quality control, and data management. The versatile system excels in handling complex use cases, allowing multiple matrices and test parameters to be managed in one workplan.

Not only does it offer a low cost of ownership due to its durable hardware and minimal maintenance, but its use of reusable cuvettes and low chemical volumes significantly cuts consumable, storage, recycling, and reagent costs, while also reducing waste.

SmartChem Series

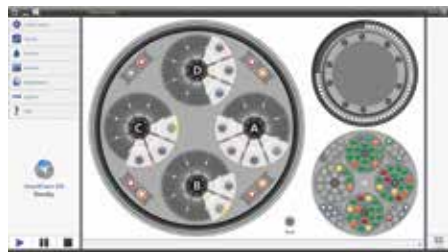


	SmartChem® 200	SmartChem® 210	SmartChem® 450	SmartChem® 600
Software	SmartChem 200	SmartChem Pro V3	SmartChem Pro V3	SmartChem Pro+
Test/h	Up to 200	Up to 300	Up to 450	Up to 600
Samples capacity	126	60	68/100	200
Reagents Refrigeration	Optional	No	Yes	Yes
Cuvette Positions	60	60	80	85
Recommended Use Case	Small to mid size labs	Small to mid size labs	Mid size labs	Large Labs
Typical Daily Samples	20 - 80	20 - 100	20 - 100	100 - 200

SmartChem® Pro Software

SmartChem® Pro Software is modern software that not only simplifies routine work, but also provides the user with the ability to support multiple test plans in one run, and build-in service features, such as a troubleshooting guide with a library of videos and support documents to help users quickly identify the root cause of a problem.

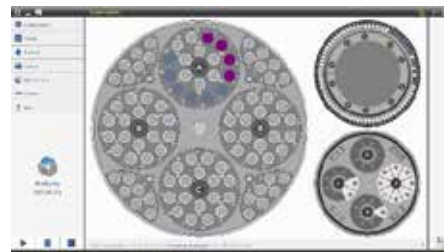
SmartChem® Pro Software provides the operator with complete control and visualization of the instrument's operation and performance.



System Monitor



Workplan Setup



Ongoing Analysis

SmartChem® for High Capacity Laboratories

SmartChem® 600

The SmartChem 600 discrete analyzer is the workhorse of the SmartChem series. It's a stand alone analyzer designed for demanding laboratories seeking to enhance their performance. It boasts up to 600 tests per hour and has a capacity of up to 200 on board samples.



SmartChem 600 operates with continuous loading capability, making it an ideal tool for improving productivity without compromising quality.

- Consolidate testing and utilize automation – free-up your staff from tedious and repetitive tasks.
- Reduced reagent usage and waste generation – improve cost efficiency and environmental footprint.
- Guaranteed stability, reproducibility and traceability with our ready-to-use dedicated reagents.
- Advanced automation level with our optional bar code readers for reagents and samples – allowing full LIMS integration.
- Automated out-of-range retesting decision making.
- Optimization of time-consuming techniques such as pH, Cond, ORP.

SmartChem® 450

Using a single platform to run samples, manage calibrations, standards, maintenance, and operator training, the SmartChem® 450 offers a reliable and convenient walk-away. Laboratory scientists can concentrate on added-value activities and tasks, while SmartChem® 450 automates repeatable, traceable and regulatory compliant testing.



SmartChem® for Low to Mid-Capacity Laboratories



SmartChem® 210

SmartChem® 210 is a fully automated, wet chemistry direct read, discrete analyzer with a throughput of up to 300 tests per hour. It increases efficiency through a fully automated platform, reducing the need for staff to conduct tedious and repetitive tasks.

Together with its intuitive and easy to learn software, SmartChem® 210 provides full flexibility and power to increase the productivity in your laboratory.



SmartChem® 200

The SmartChem® 200 is a discrete analyzer offering a throughput of up to 200 tests per hour. It is often used for drinking water, wastewater, and soil samples for analyzing a range of chemical parameters.

The SmartChem®200 software fully replicates the instrument as seen by the operator and makes all procedures easy.



Additional Modules for the SmartChem Series

Optional modules are used to expand SmartChem® capability for NO₃ (NO₃ reduction method with Cd coil) and electrical chemical tests (pH, Conductivity and ORP).

	SmartChem® 200	SmartChem® 210	SmartChem® 450	SmartChem® 600
Slots for Analytical Modules	2	1	1	2
NO ₃ Reduction (Cd coil)	Optional	Optional	Optional	Optional
EC Module	Optional	N/A	Optional	Optional

For over 30 years, KPM has been a leader in developing and innovating segmented flow analysis. Our FUTURA line of segmented flow analyzers have been widely used in industrial and commercial labs around the world for environmental, tobacco, soil, fertilizer, wine, food and feed, and other applications.

The new segmented flow analyzer, NexaFlo™, is a significant step up from the FUTURA, with intelligent flow management, simplified design for improved reliability, easier diagnostic and serviceability, all while maintaining the flexibility and broad application range of the popular FUTURA series.



- Reagent containment system that prevents solvent vapor accumulation, reducing the risk of reagent spillage for a safer working environment.
- Helps overcome common industry challenges, such as working with ultrapure water as a carrier or a potassium chloride (KCl) solution, and supplying a workaround when there is risk of trace amounts of ammonia in commercial KCl.
- Precision and accuracy to meet the requirements for low limits of quantitation (LLOQ).
- Automatic testing and inline sample preparation.
- Low level of detection.
- Up to 120 samples/hour with autosampler for high throughput sampling.
- Up to 14 channels for parallel testing.
- Two models available: NexaFlo 400 without local display, and NexaFlo 450 with color touchscreen display.

NexaFlo™ enables users to streamline their testing processes, meet regulatory requirements and make informed decisions that are best for business and for the environment.

Applications

Laboratories use NexaFlo to perform tests on important parameters in water and soils (drinking, waste, surface, sea and ground water), tobacco, and beverages such as:

Drinking Water	Waste Water	Sea Water	Soil/Fertilizer	Tobacco	Wine	Dairy
Ammonia					Enzymatic sugars	Nitrate
Nitrates/Nitrite, TKN				Nitrite	Free Total SO ₂	Nitrite
Phosphate, TP, TN				Cyanide	Volatile acidity	Formaldehyde
MBAS	Silicates	Cr	Starch	Reducing sugars		
Phenol	Chloride	K	Sorbic Acid			
Cyanide						

NexaFlo™ Software

The user friendly NexaFlo™ analytical software prepares calibration, standards, runs samples and quality controls, dilutes any out-of-range samples, prints reports and QC charts, exports data to LIMS, washes out the manifold and manages shutdown operations.

- Simplifies day-to-day operations by running the analysis of all parameters on each channel (up to 14 channels)
- Drives auto-samplers and accessories for automatic sample preparation
- Monitors all performance details during analysis (heating bath temperature, voltages, detector outputs) and alerts the user of any problems

A simplified version of the NexaFlo™ software is run on NexaFlo 450 with a color touchscreen display for easier diagnostics, maintenance, device setup, significantly improve the user experience.



Modular design

NexaFlo manifolds are modular and customized for accurate and repeatable measurement of various chemical parameters. A manifold includes:

- Custom coil sets for samples and reagents flow
- Internal or external heating bath
- Flow cell with different path length; 10mm or 50mm
- 3 detectors available, UV/Vis colorimeter (default), Flame photometer and Fluorimeter
- Digestion or inline distillation modules for automatic sample preparation

Full Automation

NexaFlo™ comes with full automation of all chemistries, handled by inline pre-treatment and 100% automation: dialysis, distillation, UV digestion, injection, dilution, mixing, incubation and liquid/liquid extraction.

The fully automated process includes programmable start-up and shutdown, preparation of standard solutions, pre- and post-dilution of off-range samples, and automatic rinsing.



iCinac Lactic Acid Bacteria Fermentation Monitor Series

The iCinac Series is a first-of-its-kind solution designed for acidification activity of lactic acid bacteria, as well as simultaneous monitoring of pH, temperature, and Oxidation Reduction Potential (ORP).

The iCinac Series is used by ferment and starter culture manufacturers, both for product quality control and the development of new cultures for the dairy and fermented foods industries.



iCinac Wired

- Ensures inter-batch kinetics consistency in compliance with ISO standards.
- Reduces product development timelines because of the reactor-scale and your choice of ferment.
- Select the number of channels and electrodes for your needs.

iCinac Wireless

- Unique solution designed for acidification activity of L.A.B.: simultaneous monitoring of pH, temperature, and Oxidation Reduction Potential (ORP).
- Alternative for laboratories that want to perform L.A.B. kinetics monitoring without the bioreactor control part that the iCinac wired offers.



iCinac Software features:

- pH/ORP temperature compensation management
- Monitor and track trial set points
- Control external modules (digital / analog output)
- Calculate all feature points
- Real time data logging
- Diverse graphical plotting
- pH calibration history
- Libraries management and creation (average curves, standard deviation, etc.)

Committed to Keeping Your Operation Seamless, from Start to Finish

At KPM Analytics, our focus is to provide your organization with end-to-end support through our highly skilled customer service teams and worldwide network of distributor partners. Each instrument and application are matched with specific support offerings to get the most out of your investment, including:



Field Service Commissioning & Training

- KPM's team of qualified service engineers offer professional guidance and expertise to ensure a seamless process.



Remote Commissioning

- For some instruments, remote commissioning provides a simpler, cost-effective method to ready your KPM technology for use.



Remote Support & Troubleshooting

- To minimize downtime, remote support from KPM is available to help companies quickly correct issues and save costs.



Annual Calibration & Preventive Maintenance

- KPM offers various annual services (in field & depot) to ensure equipment is running at factory standards.



Depot Repair at Global Service Centers

- For issues that cannot be addressed on-site or remotely, our worldwide Depot network is available to quickly inspect, repair, and return your equipment in a timely manner.



Training Collateral

- From "Best Practice" recommendations to quick startup and maintenance guides, KPM provides customers with the tools they need to succeed.



KPM ACADEMY

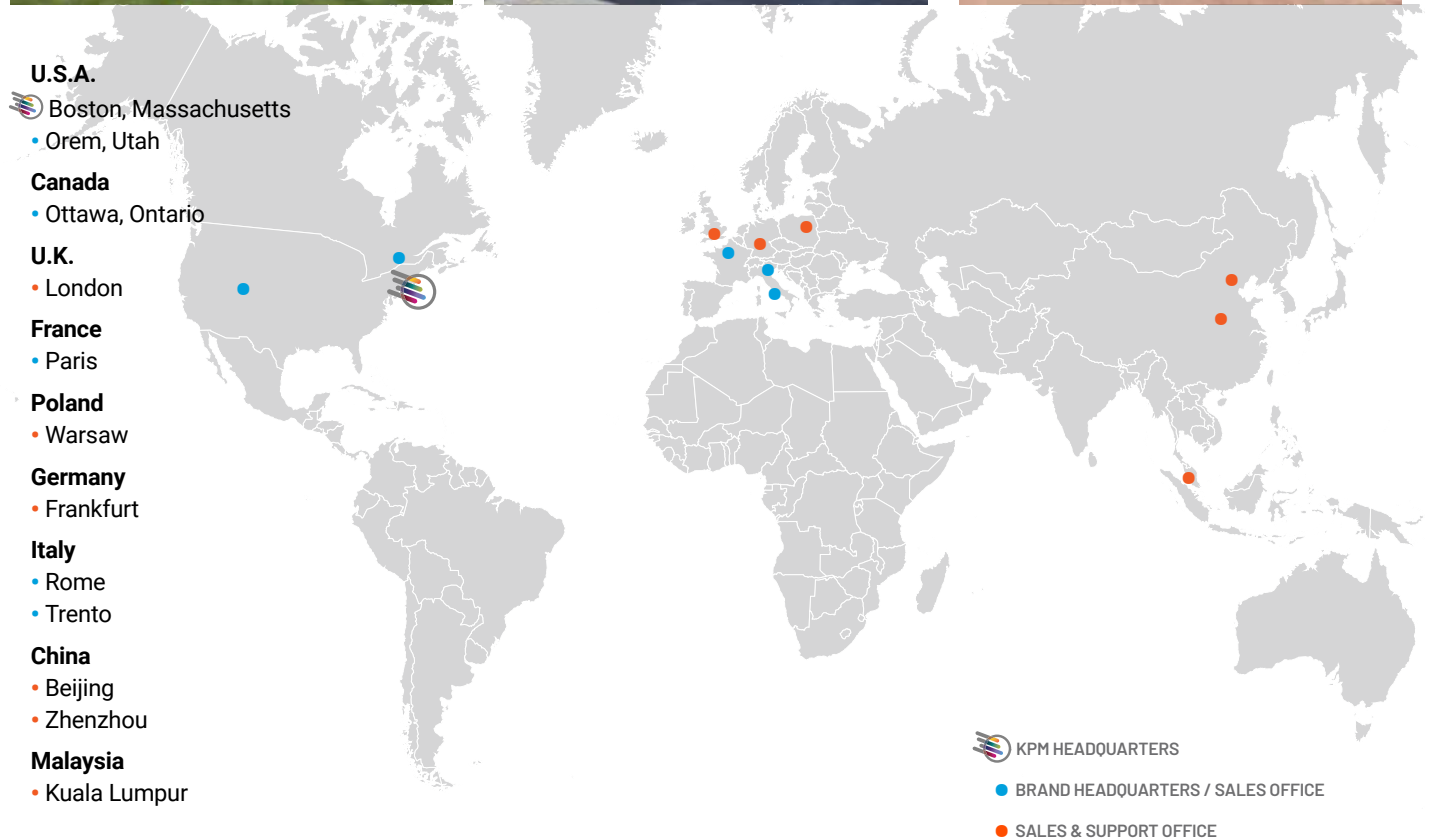
ON-DEMAND COURSES FOR KPM PRODUCT BRANDS

The KPM Academy is an online education platform that provides product training and maintenance support for our broad range of analysis solutions. Your KPM Academy license includes:

- Product training from the experts
- Staff training for new-hires or cross-training employees
- Refresher training
- Procedure updates, including preventive maintenance
- Courses on-demand



OUR GLOBAL SERVICE AND SUPPORT NETWORK



Working with KPM means you have a partner for the life of your equipment and beyond.
Let's discuss how we can help you solve production challenges and protect your brand value.

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