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Press Release

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AMS Alliance and Unity Scientific to showcase advanced automated wet chemistry and at-line analyzer solutions at Pittcon 2018

Orlando, FL, (February 23, 2018) – AMS Alliance and Unity Scientific, both KPM Analytics companies, will present their advanced analyzer solutions for environmental, agricultural and food applications at Pittcon 2018, Booth #3270 in Orlando, FL, February 26 – March 1. Used for process and quality control in dairy, beverage, cereal, snack & baked goods, milling, and other food processing applications, the solutions can monitor and improve product quality, help maintain brand integrity, archive data, and reduce costs.

AMS Alliance will be presenting three recent innovations:

- 1) **iCinac Wireless**: Developed for dairy industries to monitor the acidifying activity of lactic ferments by **continuous pH observation**. This new, low cost wireless solution requires no data cables making it easy to deploy and scale. The flexible, modular & moveable system simplifies measurements using multi-parameter digital probes that simultaneously measure the pH, temperature and Redox potential of a sample on the same channel. Data is analyzed in real time by software installed on the customer's computer.
- 2) **Smartchem 450 high versatility discrete analyzer**. The new Smartchem 450 is a fully automated, direct read, discrete analyzer that maximizes productivity for routine and special chemistries at a very low running cost. Multi-parameter analyses can be made on a variety of samples at up to **450 tests/hour** making the Smartchem 450 our most versatile discrete analyzer. The new software package makes it easy to set up chemistries and test parameters. Ready-to-use reagents are also available. The Smartchem 450 is ideal for medium throughput analysis in the environmental, water and/or commercial laboratory markets.
- 3) **Futura 3 CFA analyzer: advanced technology for automated analyses**. The Futura 3 is a new Continuous Flow Analyzer (UV-Vis spectrometer) which can simultaneously run multiple parameters on up to 16 parallel channels. The Futura 3 offers fully integrated automation technology, modularity, and a new



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analytical software package. The Futura 3 is ideal for dedicated analysis of parameters in the environmental, water and beverage markets.

Unity Scientific will be demonstrating the SpectraStar XT Analyzer. With the best performance in the industry, the XT is a robust, easy-to-use NIR analyzer for both laboratory and at-line environments in the food, agricultural and ingredient markets. The XT includes patented TRUE ALIGNMENT® Spectroscopy technology which automatically aligns the instrument to reference standards keeping it in peak accuracy.

The SpectraStar XT produces accurate, repeatable results in 30 seconds, measuring moisture, fat, protein, total sugar and other properties from samples at any stage of the process. The XT is available in ready-to-use analyzer packages for many applications, pre-configured with robust calibrations and sample handling accessories for plug and play operation. All SpectraStar XTs are manufactured at Unity Scientific's global headquarters in Milford, MA USA.

Unity was recently awarded a runner's up finish in the Manufacturing Innovation category of the 2017 Manufacturer's Leaders Award. Recognized for innovative 3D printing techniques in the SpectraStar manufacturing process, the competition included global industry leaders such as Thermo Fisher Scientific, Celestica, IBM and Stanley Black & Decker. For more information, please see <https://www.manufacturingleaders.com/awards-ceremony/>.

Visitors to Pittcon Booth #3270 are encouraged to participate in our Calling All Pros competition. Their expertise will be put to the test guessing the ammonia content of water samples from Atlanta, Georgia USA and the Seine River in Paris, France. The samples will be tested on the Smartchem 450, which offers sealed sample cups to ensure accurate and repeatable results when testing for volatile constituents such as ammonia. One sample will be analyzed on Tuesday, February 27 and one on Wednesday, February 28. The guest who comes closest to the actual reading using AMS and Unity analyzers will take home a brand-new Go Pro Hero Session camera.

To learn more about the KPM Analytics companies visit www.amsalliance.com, www.unityscientific.com, and www.kpmanalytics.com.

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About AMS Alliance

AMS Alliance is a developer, manufacturer, marketer and seller of a wide variety of instrumentation and systems that automate complex analysis for research & development, process monitoring and quality control in food, environmental, and agriculture applications. Backed by close to 30 years of analytical expertise, the AMS Alliance team serves customers around the globe from locations in Italy, France and the USA. www.amsalliance.com/

About Unity Scientific

With industry-leading expertise in near infrared (NIR) technology, Unity® Scientific products are used for quality control applications within production processes and laboratory environments. Unity's premium analytical instrumentation serves a wide range of end markets such as food & dairy, agriculture and environmental. Headquarters are in Milford, MA, USA with additional offices in Weiler Bei Bingen, Germany. To learn more, visit www.unityscientific.com.

About KPM Analytics

The operating companies that make up KPM Analytics have come together because of their industry-leading application expertise in the food, agriculture and environmental sectors. Unity Scientific, Process Sensors Corporation, CHOPIN Technologies and most recently AMS Alliance are all recognized for deep application knowledge and superior support. The companies now stand as a strategic group with a common passion for providing solutions and solving our customer's most challenging problems. Through this united approach, our customers big and small will be better served with a broader, more robust scientific instrumentation offering supported by a global network. Visit www.kpmanalytics.com to learn more.