



Precision Quality Analysis

BRANDS YOU CAN RELY ON

Xylem is focused on helping our customers solve their most challenging water issues...

treating water to make it potable, transporting it to where it is needed, using it in the most efficient manner, analyzing its quality and cleaning it after its many uses.

For over a century, Xylem's well known global brands have served the laboratory instrumentation market.

We offer deep application

expertise from decades of leading innovation with products, systems and services that address the needs of modern day industrial processes.

Our products are sold into more than 150 countries.

Working in true partnership with our customers and end users, we listen, learn and adapt to local environments, delivering solutions with more impact than ever before.

Xylem. Derived from

classical Greek, our name refers to the supporting tissues that help transport water and nutrients from a plant's roots to its leaves.

To the people of Xylem, our name stands for our promise to live our values while solving our customers' most challenging water problems and to set industry standards for fluid technology applications and water solutions.

Whether that problem involves a pumping

conundrum, a difficult filtration process, a challenging analysis or a requirement to dispense the perfect beverage time-after-time; xylem's goal is to meet that need!

xylem
Let's Solve Water

What can Xylem do for you?

Xylem's analytical involvement spans right across the manufacturing and distribution cycle; monitoring the water used to irrigate the crops we grow in the field, within the production and cold-chain distribution processes right through to the consumer. Quality control, food safety and efficient processing is paramount at every stage; Xylem helps satisfy this need...

Before the first seeds are planted in the fields, Xylem helps to capture, clean and transport the water we use and to provide efficient energy from renewable sources such as ground source heat pumps.

Here though, we take a look at Xylem's analytical involvement in the industrial processes affecting our everyday lives, making a product safe to consume or use, and regulating quality so it is consistent time after time.

From the shampoo we use first thing in the morning to the hot or cold beverage we drink at breakfast - even the aspirin we take to combat the effects of the evening before - Xylem touches every part of our lives. So how does this all work? You may not think it, but every process that produces goods



uses water - from the manufacture of the clothes we wear to the plastic bottles we drink from, the irrigation of fields to the transport of their produce - vast quantities of water taken from our finite resource are used to meet our everyday needs.

Optical Analysis

- Refractometers
- Polarimeters
- Spectrophotometers
- Photometers
- Dissolved Oxygen
- Turbidity

Chemical Analysis

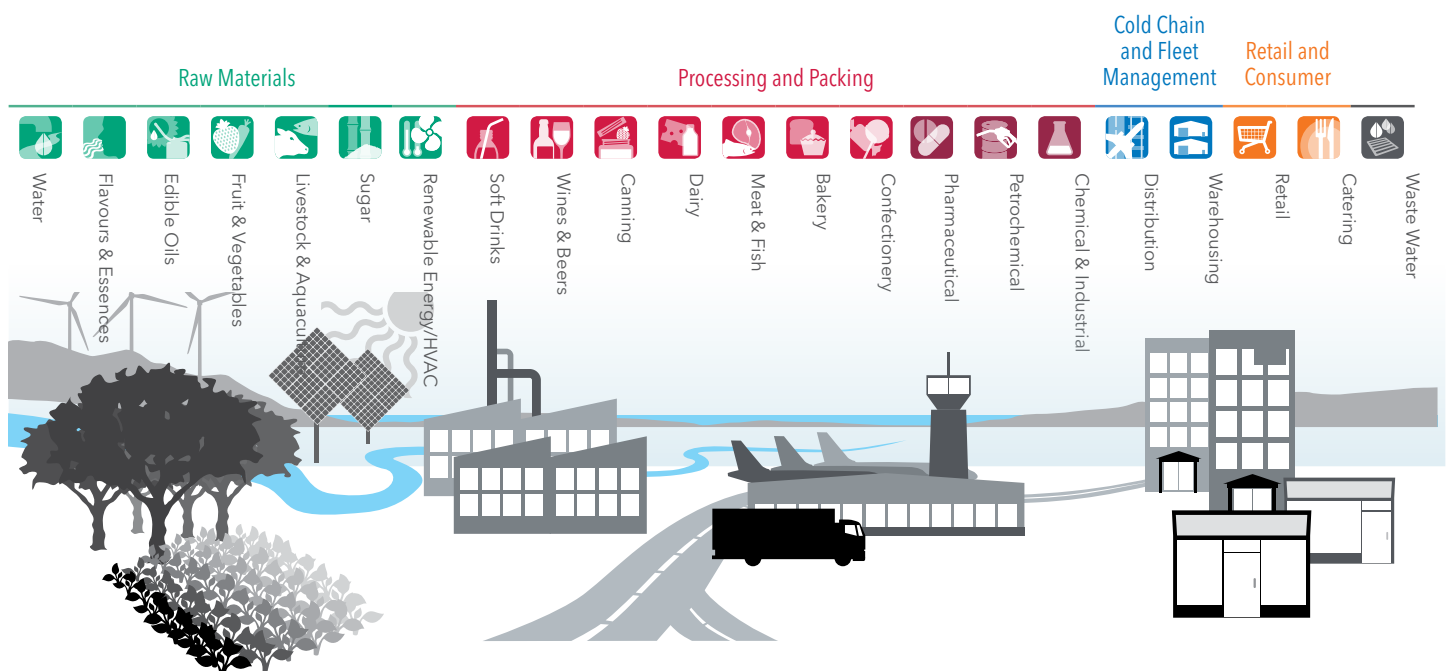
- Titrators
- pH Electrodes
- Conductivity Electrodes
- Biochemical Analyser
- pH/ORP
- GC Detectors
- Purge & Trap
- TOC Analyser
- VOC Analyser

Physical Measurement

- Precision Thermometers
- Temperature Datalogger
- Relative Salt
- Humidity Datalogger
- Pressure Datalogger
- Oil Quality
- Viscometers



Video/Brochure:



Analysis throughout the industrial supply chain

Raw Materials

The manufacturing process starts with raw materials, whether grown in the fields or synthesised at the chemical plant. Testing for purity, safety and quality at every stage of production is paramount.

As well as providing premium quality instrumentation for measuring key parameters such as pH, conductivity, turbidity and temperature; Xylem brand OI Analytical provides sophisticated analysis of volatile organic compounds and pesticide residues, as well as helping determine the authenticity of foodstuffs.

Refractometers are also used throughout the production cycle testing the Brix, or sugar content, of fruit. This not only indicates when to harvest, but also forms part of the quality assessment made by the retailer upon which the farmer receives payment. Likewise, polarimeters are used to assess the purity of sugar beet or cane at the Tare House prior to being concentrated in to syrup or crystallised for use in the home.

Processing and Packing

Xylem provides many critical analyses to the world's industrialised processing and packing industries, ensuring product safety and quality are not compromised. Instrument reliability is key, as failure can lead to lost production time, missed delivery deadlines, reduced margins and a negative reputation in the marketplace, costing profits from an already squeezed balance sheet.

Water treatment plays an important role at each end of the production process. Before it is used, photometry is used



to identify chlorine and ozone content. Before it is discharged, laboratory and in-line analysis of contaminants takes place to ensure wastewater does not foul our rivers and waterways.

Every pharmaceutical product produced is rigorously tested from start to finish, from licensed products to everyday medicines such as aspirin and paracetamol. High accuracy digital temperature controlled refractometers test raw materials, whilst Pharmacopoeia, the regulatory recipe book for all pharmaceuticals produced worldwide, dictates polarimeters should be used to test for purity. Spectrophotometric analysis of pharmaceuticals is also commonplace.

Cold Chain and Fleet Management

Perishable foodstuffs such as fruit, vegetables, dairy, fish and meat require temperature or vacuum monitoring during transportation from their source to restaurants and supermarkets around the world. The latest OPTi digital hand held refractometer provides convenient measurement of automotive fluids such as glycols for radiators in trucks and specific instruments for AdBlue®, a diesel exhaust fluid that reduces emissions. Hydrometers and contamination test strips also help protect catalytic converters from damage that may result from impure additions to the feed tank.



Retail and Consumer

Although most of the instrumentation supplied by Xylem is on a B2B platform, the



general public will come into close contact with our products on a daily basis. In supermarkets, wireless refrigeration monitoring triggers remote alarms under fault conditions and simple core thermometers test the temperature thresholds of uncooked meats on display. Specialty meters test the oil quality in commercial deep fat fryers so that our chips taste better and are free from toxic build-up. Refractometers control the concentration of sauces and stocks in top class restaurants. Xylem helps to provide a safe, high quality end product that we can all enjoy.

Even plumbers now regularly use refractometers to calibrate state-of-the-art heating systems using glycol solutions to transfer captured energy from solar or ground source heat collectors that form part of today's need for sustainable power generation.

Service you can count on...

Xylem prides itself on providing quality products. Most brands operate a quality management system in accordance with or similar to ISO 9001:2008 amongst other industry regulatory compliances such as TUV, as well as UKAS for calibration



and testing, where ISO 17025:2005 is the industry standard.

Whatever the product, Xylem ensures best practice from start to finish.

Offering best practice solutions to the production marketplace.

Xylem's analytical products are available direct and from a network of carefully selected distributors to meet the needs of the markets we serve.





Measured support from proven brands



For a century, Bellingham + Stanley has been at the forefront of instrument design and technology and today is regarded by many international brands as the leader in the field of refractometry and polarimetry.

- Refractometers
- Polarimeters
- Certified Reference Materials

www.bellinghamandstanley.com



ebro has been servicing the scientific world with innovative measurement solutions for over forty years and today, customer feedback still plays an important role within the business model.

- Precision thermometers
- Food Safety test kits
- Frying oil monitors
- Humidity, vacuum & temperature dataloggers
- Portable digital refractometers

www.ebro.com



Since 1963 OI Analytical has been providing innovative products used for chemical analysis and is a key supplier of sample preparation and turn-key analytical solutions for testing food products and water for chemical contaminants.

- Total Organic Carbon (TOC)
- Volatile Organic Compounds (VOCs)
- Antibiotics
- Organophosphorus pesticides
- Organochlorine pesticides

www.oico.com



Since 1945, WTW has provided outstanding leadership in the design and production of superior quality water testing instrumentation world-wide for over 55 years.

- UV/Vis Spectrophotometers
- Photometers
- Turbidity
- Dissolved oxygen

www.wtw.com

SI Analytics

For 65 years, SI Analytics has been producing innovative electrodes and meters that today has culminated in some of the World's leading electrochemistry instrumentation.

- Titrators & burettes
- Viscosity measuring systems
- Capillary viscometers
- High performance pH electrodes
- pH, dissolved oxygen & conductivity meters

www.si-analytics.com



Founded in 1948, YSI develops and manufactures scientific instruments, sensors and systems. The latest version of the 2900 Biochemistry Analyser measures lactate and ethanol as an indicator of spoilage in ketchup, salsa and other tomato products in less than 60-seconds. The same technique can be used for fruit processing.

- Biochemistry analysers

www.ysilifesciences.com

Meet the Experts...

Xylem will be presenting its analytical offering at a number of major exhibitions throughout 2016.

Experts from our leading industrial analytical brands including Bellingham + Stanley, SI Analytics, ebro, OI Analytical, WTW and YSI will be present to answer your questions personally, so why not come along to a show near you!

We look forward to seeing you there...



The International Show for Tomorrow's Technology



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New Product Releases for the Industrial Sector in 2016



RFM900-T
Refractometer



2900M Sitini
Chemistry Analyser



FS 3700
Flow Solution



photoLab 7600
Spectrophotometer



TitroLine 7800
Titrator

There's a lot more to Xylem

Xylem is a leading provider of premium field, online and laboratory instrumentation serving the analytical needs of the surface water, wastewater, ocean & coastal and industrial marketplaces through a number of internationally recognised brands including AANDERAA, Bellingham + Stanley, ebro, MJK, OI Analytical, SI Analytics, SonTek, WTW and YSI.

Learn more about Xylem's analytical products for the industrial marketplace:
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xylem
Let's Solve Water