

SPEED DRIVES POWER ON

ABB has expanded its range of general-purpose ACS580 variable speed drives to include a power range with new drive modules for cabinet installations, complementing the wall-mounted drives offering for IP21 and IP55 protection classes.

Recognised for their plug-in simplicity, protection options for harsh environments, and connectivity with smart phone apps for advanced services, the drive module range supplies 250 to 500 kW of power in a 380 to 480 V voltage range.

The drive modules feature a robust IP00 enclosure with coated circuit boards as standard for improved reliability.

The plug-in ready ACS580 can control a variety of pumps, compressors, fans, conveyors, mixers and other variable and basic constant-torque applications. It has an advanced pedestal system and ramp for quick and easy installation, and takes very little time for setup and commissioning.

The drives also feature advanced diagnostics.



THE GOOD OIL

THE FoodLab Touch from Arrow Scientific is a new solution for analysing fats and oils that can run 16 samples at the same time.

It can be used on the production line or in the laboratory, providing real-time results for monitoring the quality of cooking oil and protecting the quality of the product.

It is also useful for shelf-life analysis of products such as bakery items and snack foods as it can monitor the oxidation status and rancidity of oils in each product over time.

Reagents for each test are supplied in a ready-to-use format, and a small aliquot of sample is added to the test vial – which is then placed into the spectrophotometer. Step-by-step instructions are displayed on the spectrophotometer screen, and the photometric results are automatically calculated.

SWIFT SPECTROMETER

SCITECH has released a Raman spectrometer and integrated computing system called the NanoRam.

The NanoRam is a 785nm wavelength laser excitation source that delivers a very stable signal with low background noise. Designed for rapid raw material and drug identification and verification, it is used for nondestructive identification and verification of materials such as APIs, excipients, intermediates and finished products.

Weighing less than 1kg, it can be used by non-technical staff to rapidly identify samples to expedite materials through the manufacturing lifecycle.



DUPLEX HEATS UP SANITATION

DUPLEX has launched a range of industrial steam cleaning machines to the Asia-Pacific region that can steam at temperatures of up to 190°C, enabling a complete degrease and sanitisation of food manufacturing equipment and surfaces.

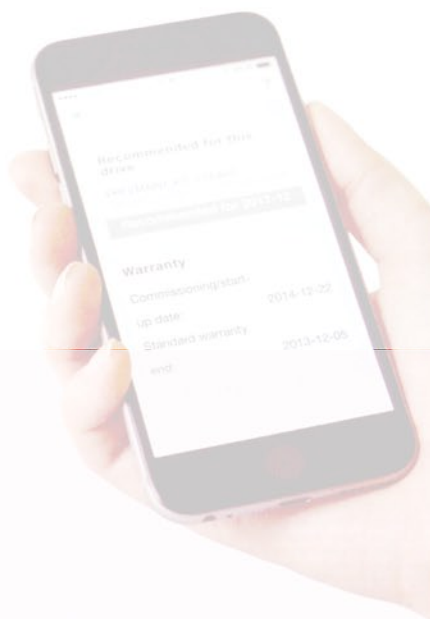
This temperature can be reached due to the Jetvac and Jetsteam Force models, which have a patented stainless steel boiler with interchangeable heating elements.

Duplex director Murray McDonald says steam temperature and pressure is important in producing a deep and hygienic clean.

"The healthcare sector relies on high temperature and high pressure steam for killing bacteria and disease," he says.

"Similarly, the food manufacturing industry also requires this method to prevent food contamination, as well as prevent OH&S risks such as slips and falls from greasy floors."

The Force model range uses less water than traditional cleaning methods, allowing operators to use up to 15L per hour via a continuous direct water connection. Traditional systems commonly use litres of water per minute.



LEAK ALERT

THE benchtop TSE6086B from Bestech Australia tests packages for leaks as small as 10 micron in diameter, allowing sensitive measurement without adding stress to package contents.

It is used to test biscuits, snack foods, salad, MAP packs, milk powder, medical bandages and pharmaceuticals.

The testing chamber is designed to fit most

package sizes found in the supermarket.

Finished products are placed manually, and the handle is closed to initiate a fully automatic test sequence. Results are displayed with Pass or Fail lamps, along with a quantitative measure of the leakage rate.

The test runs as fast as 5-15 seconds for most standard packs.

