newport scientific news

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RVA-Super4

New, High Sensitivity Rapid Visco™ Analyser

The RVA-Super4, the latest member of the RVA family, incorporates an innovative new motor, new control system, and state-of-the-art electronics to give the highest sensitivity at the lowest viscosity, right down to 10 cP.

It also has improved accuracy and repeatability across the entire viscosity range. Add enhanced software to the package, and you have the most powerful and most flexible RVA yet. Here's how it's done:

HIGH PRECISION, BRUSHLESS DRIVE MOTOR

The brushless motor uses electronic sensors and solid state technology to reduce electrical noise. This means smooth, stable graphs, even at the lowest viscosities.

CALIBRATED, CRYSTAL LOCKED SPEED CONTROL

Motor speed is locked to the internal crystal speed reference in a self-calibrating system. This means improved speed accuracy and improved viscosity accuracy, especially at low stirring speeds.

STATE-OF-THE-ART TEMPERATURE SYSTEM

The innovative temperature sensing system has as on-board reference system. This means improved temperature accuracy, reliability and control.

MORE SOFTWARE FEATURES, MORE SOFTWARE FLEXIBILITY

- *Streamlined graphical user interface and merged data collection and data analysis fields makes Thermocline for Windows version 3 more intuitive, more flexible and easier to use.*
- *Electronic Registration/Electronic Signature compliance improves data security and meets modern regulatory requirements.*
- *The most popular features of TCW are still included: extended automode operation for routine users, user-defined test limits for quality testing and saving data for further analysis in Excel.*

ADDED APPLICATIONS

- paper starches
- dairy ingredients and products
- powdered soup mix
- canned soup
- table sauces and ketchup
- powdered sauce mix
- ready-to-use cooking sauce
- dressing and mayonnaise

RVA-Super4

Newport Scientific wins an Exporter of the Year Award

Newport Scientific Managing Director, Rodney Booth, and R & D Manager, Mark Bason, pictured with the Premier's NSW Exporter of the Year Award.

Newport Scientific Pty Ltd has won the Small to Medium Manufacturer category of the Premier's NSW Exporter of the Year Awards 2004. The Awards, which are organised by the Australian Institute of Export (NSW) Ltd, are acknowledged by the business community as one of Australia's most prestigious industry awards.

For Newport Scientific, the Award is an endorsement of its success in building a sustainable export business that dominates its market sector through the implementation of sound marketing principles.

'This Award acknowledges the staff of Newport Scientific who have built our company into an entity that can compete on the world stage,' says Newport Scientific Managing Director, Rodney Booth. 'They deliver high technology products, such as the Rapid Visco Anlayser and doughLAB for agri-food laboratories, to a very discerning world market. It is their energy and dedication that has made this award possible.'

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Did you see us at these conferences in 2004?

- Starch Conference in Cambridge, UK, in March.
- Starch Conference in Detmold, Germany, in April.
- Symposium in Benelux in April.
- ICC Cereals and Bread Congress in Harrogate, England, in May.
- Symposium in Hénin and Tours, France, in June.
- Milling Conference in Detmold, Germany, in September.
- International Hydrocolloids Conference in Melbourne, Australia, in September.
- RACI Cereal Chemistry Division and Wheat Breeders Assembly in Canberra, Australia, in September.
- International Hydrocolloids Conference in Melbourne, Australia, in September.
- RACI Cereal Chemistry Division and Wheat Breeders Assembly in Canberra, Australia, in September.
- French Milling Conference in Paris, France, in November.
- ICC South Africa Cereals and Bread Congress in Johannesburg, South Africa, in November.

Meet the people: Colin Butcher

Having qualified as a Fitter & Machinist, Colin Butcher brought a wealth of experience with him when he joined Newport Scientific in May 1992. Colin's primary role since that time has been to improve manufacturing techniques.

Prior to joining Newport Scientific Colin had 16 years experience as an owner manufacture, producing components for pacemakers, bionic ears and dental implants as well as contributing to other R & D projects for the medical profession.

Twelve years on, Colin is one of the company's longest serving employees and is as committed as ever to ensuring that we supply only high quality products to our distributors and users throughout the world.

SN ACCEPTED AS BREWING STANDARD METHOD

The Sprout Damage in Barley subcommittee of the American Society of Brewing Chemists has evaluated the Rapid Visco Analyser (RVA) Stirring Number (SN) method during 2003 and has now accepted it as a Standard Method of analysis for sprout damage in barley.

The approval was the outcome of a research partnership spearheaded by the Canadian Grain Commission (CGC) and funded by Automated Quality Testing Inc., including, as partners in the project, Cargill, the Saskatchewan Wheat Pool, Agricore United, and the Canadian Wheat Board (CWB). Collaborators tested Canadian and United States barley samples with a wide range of α-amylase activity levels caused by germination using the RVA SN method.

The goal of the project was to find an objective test to predict, quickly, cheaply and accurately, the long-term storage capability of individual lots of malt barley.

Using the RVA to determine a 'best before' date for malt barley will benefit all sectors of the malting industry.

Reference:
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