newport scientific news

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doughMAP

Blended Reference File Software for Dough Rheology

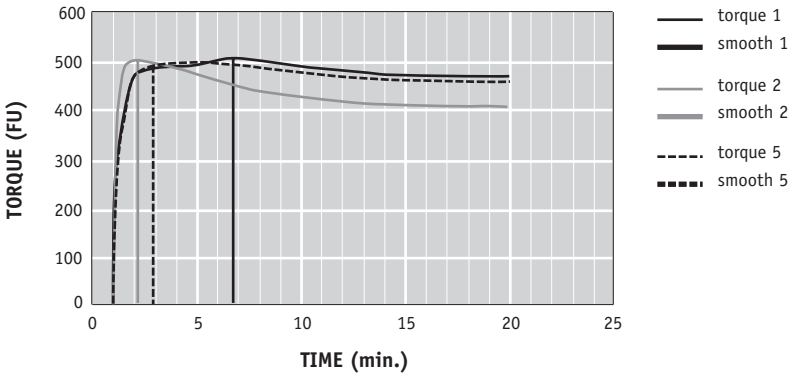
doughMAP software is a customised spreadsheet that allows you to view, chart, average and analyse dough rheology data generated by doughLAB.

doughMAP software includes a report sheet to view test results, a chart sheet to chart graphs and data sheets which list names and information about samples to be analysed by the doughMAP programme.

Sophisticated curve analyses include the ability to associate specific peaks on the graph with dough development time, identify stationary and non-stationary peaks, and set upper and lower limits for acceptable peak strength and peak time.

A new set of data can be created, based on a weighted average of imported doughLAB data files. This blended reference file simulates the result of commercial scale flour blending.

Position	1	2	3	4	5
Weighting	70	30			100
Name	strong	weak			
Date	30 Jan 04	2 Feb 04			20 May 05
Time	12:58:19	18:18:20			16:10:55
Sample ID	strong	weak			
Operator	CC	CC			
Moisture	14.0	14.0			14%
WA (at 14% mb)	57.2	52.0			55.5%
Peak resistance	503	503			493 FU
Development time	6:46	2:06			2:42 m:ss
Stability	14:06	4:52			12:24 m:ss
Bandwidth at peak	66	74			76 FU
Softening 12:00	41	82			36 FU
MTI 5:00	21	61			16 FU



doughLAB generates information about the resistance a dough offers to kneading under controlled conditions of temperature, mixing speed and moisture content. Variable speed and temperature ramping functions allow the doughLAB to emulate commercial dough mixing and research the dough's response to changing stress as well as perform standard AACC, ICC and RACI methods.

NEWPORT WINS

Rabobank Innovation Award

Newport Scientific has won the Australian Institute of Agricultural Science and Technology (AIAST) Award for Technology and Innovation at the 2005 Rabobank Agribusiness Awards for Excellence. Run in conjunction with Melbourne's Monash University, the awards honour both corporate and individual achievement in Australian agribusiness.

The AIAST Technology and Innovation Award was presented to Newport Scientific in recognition of their innovative equipment and their novel solutions to problems faced by the world's food, grain, and cereal industries.

Managing Director, Rodney Booth, says that the award is a tribute to all Newport's staff, because it is the result of a real team effort.

'Newport Scientific has developed a strong relationship with the agricultural scientific community so it's very appropriate that this award is sponsored by the AIAST,' Rodney says. 'It is also an example of our sustained support of the agricultural industry through customer focus.

'Export markets are won by being responsive — we have recognised a customer need and have delivered to that need in an appropriate timeframe,' he says. 'Our export success is built on our relationships with our customers.'

Above left: The 2006 Award for Innovation and Technology being presented to Rodney Booth by Allan Jones, Executive Director, Australian Institute of Agricultural Science & Technology. **Left:** Rodney Booth accepts the 2006 Rabobank Award on behalf of Newport Scientific.

Rabobank | MONASH University

...and a report from Europe

Newport Scientific Europe Ltd has been busy attending events in several European countries over the past few months. From September through November there are cereal and milling conferences in most European countries, which include harvest reports as well as annual meetings. In the July to December period, we've exhibited at the ICC Jubilee Conference in Vienna, at the annual milling conference in Detmold, and at the 56th Milling Conference in Paris amongst others.

We have displayed doughLAB and the RVA at these proceedings, while in Italy and Spain our distributors have been busy promoting the doughLAB at similar events. At Detmold, Winopal Forschungsbedarf GmbH, our German distributor, provided leaflets and Powerpoint presentations on the booth at the milling conference.

Overall there has been considerable interest in Newport products and we are looking forward to attending similar events in Europe in 2006. **Above:** Ralf Winopal and Stephen Buechele, of Newport Scientific's German

MEET THE PEOPLE: MAX GUYATT

After completing a Bachelor of Engineering in Mechatronic Systems at the Australian National University in 2004, Max joined the team at Newport Scientific.

Prior to his degree, Max worked in several technical positions at continual flow production facilities including a pine production sawmill, Penrose Pine, and Berrima Blue Circle Cement works.

During his summer holidays he worked on a farm in southern New South Wales, harvesting wheat and other summer crops.

At Newport, Max is a manufacturing engineer, part of the team building RVAs, doughLABs and mills. He is also involved with R & D, and has recently been part of the protoyping team developing the CleanMill, Robot Dispenser and RVA-SM suite of products for weather damage testing of wheat.

Max also has an 'extra-curricular' interest in design and manufacture, and is heading a project to complete a racing car from conception to production.

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