



**domnick hunter**

# MAXIGAS N<sub>2</sub> NEWS

ISSUE 6 OCTOBER 2006

## BEST EVER PPMA SHOW



The Processing Packaging Machinery Association Show took place in September at Birmingham, UK and proved to be the best ever, generating leads from a large number of well known multinationals.

Visitors to the domnick hunter stand were given the opportunity to see a live product demonstration; nitrogen gas was bubbled through coloured water from an N2MID350. An N2MAX104 was also on display along with products packed in a protective atmosphere.

## Next generation of MAXIGAS



At the beginning of October the completely re-designed MAXIGAS range was launched to domnick hunter sales companies and key accounts.

For the last 12 months or so, the Product Management and R&D Teams have been redeveloping MAXIGAS based on customer feedback to bring even better levels of performance, reliability and energy efficiency.

New advantages include greater nitrogen flows, improved air to nitrogen ratios and higher outlet pressures. The new system runs off a smaller compressor and reaches outlet pressures of 16 bar without a booster. This all adds up to a lower capital investment and increased cost efficiency for customers.

The product will be available to order from the end of October for delivery during January.

## Multinational dairy producer makes huge savings in Thailand

Two N2MAX116 units were recently installed at Friesland Foods in Thailand.

The installation is also made up of two 500l buffer tanks and a 2,000l storage tank. Nitrogen is produced at 100m<sup>3</sup>/hr, 99.5% purity and 6.5 barg.

Nitrogen is used to gas flush packaging before it is filled with UHT soymilk, this removes excess oxygen which improves shelf-life.

Friesland Foods is a multinational company that develops, produces and distributes dairy products, fruit-based drinks and ingredients.

The company has seen huge savings compared to the bulk liquid supply that was used previously and there are plans to add more nitrogen generators in the near future.

To find out more visit [www.frieslandfoods.com](http://www.frieslandfoods.com) or [www.foremostforlife.com](http://www.foremostforlife.com)



**Upcoming Events:** **ADIPEC - oil and gas exhibition**  
**Abu Dhabi 5-8 November**

## Challenger Solutions achieves Dross-Free Selective Solder



Challenger Solutions is an Essex based company dedicated to specialist electronic manufacturing.

The company's latest investment comes in the form of a selective soldering system from Pillarhouse, which was installed to partially replace

costly hand soldering techniques that were previously used for certain through hole assemblies.

New legislation (ROHS directive) came into force in July, banning lead based alloys in products manufactured or sold in the EU for health and environmental reasons. Alternative lead-free alloys have much higher melting points.

At these higher temperatures there is an increased risk of oxidation which can weaken solder joints. Nitrogen displaces

oxygen to avoid this problem and dramatically reduces dross, which improves quality for more reliable components, increased yields and less rework, which enables faster turnaround times.

Understanding the benefits of nitrogen, Challenger installed a nitrogen generator from domnick hunter.

A standard N2MID600 nitrogen generator was re-configured to meet the exact specification required by the Pillarhouse system. It delivers nitrogen gas at 34 NI/min and a purity of 40 PPM maximum remaining oxygen content.

Nick Quill, Managing Director of Challenger says "We preferred this option over and above nitrogen cylinders or mini liquid tanks since the cost of gas would be less and there would be no downtime from bottle changes. The installation was fast and efficient and I would have no hesitation in recommending domnick hunter."

For more information visit [www.challengersolutions.com](http://www.challengersolutions.com)

## Mexico's leading snacks company installs MAXIGAS companywide

Barcel, a manufacturer of potato chips, nuts, pork scratchings, jerky and corn snacks has recently taken delivery of four nitrogen generators for key production plants and is due to take delivery of another unit very soon.

Barcel is part of the Bimbo Group which has extensive distribution networks to customers across Latin America and the USA.

Quality is very important to the company which was the first Latin American bakery business to receive ISO 9001:94 accreditation.

Hector Garcia, Maintenance Manager at Barcel, says "A great deal of importance is placed on good manufacturing practices that help to ensure high quality standards. Nitrogen gas flushing helps to maintain these standards."

Mr Garcia explains that Barcel first used a competitor's nitrogen generator, but were let down by a membrane failure early on, this meant they had a good understanding of the

benefits brought to their application by PSA, including modularity and minimal downtime.

The first N2MAX216 generator was installed by Interpack, domnick hunter's official agent in Mexico, in 2005. Nitrogen is delivered at 82.2Nm<sup>3</sup>/hr and a purity of 99.5%. Since installing the system the company has seen a reduction in nitrogen gas costs of around 30%.

The system was so impressive similar solutions have been installed at plants companywide.

The attractive ROI offered by MAXIGAS even means an N2 pipeline previously supplied by a neighbouring gas company to the main plant in Toluca, where 140 bag-packers are installed, will soon be replaced.

To find out more about Bimbo Group visit [www.grupobimbo.com.mx](http://www.grupobimbo.com.mx)



For more information contact  
[dalcoengineering@eircom.net](mailto:dalcoengineering@eircom.net)



DALCO

Ireland: Dunshaughlin, Co. Meath  
T: +353 (0)18250768  
F: +353 (0)18250769  
Email: [dalccoengineering@eircom.net](mailto:dalccoengineering@eircom.net)

UK: Morpeth, Northumberland  
T: +44 1670505477  
M: +44 7748984606  
Email: [dalccoengineering@eircom.net](mailto:dalccoengineering@eircom.net)

Australia: 153 Burnside Rd., Bannockburn,  
Victoria 3331  
T: +61 (0) 352812951  
Email: [info@dalconitrogen.com](mailto:info@dalconitrogen.com)

NITROGEN GAS SYSTEMS  
ENGINEERING SYSTEMS