

An Innovative Solution

Endoline Machinery, the UK's leading manufacturer of end-of-line packaging machines, has recently provided Numatic International LTD with innovative technical solutions to assist with their increased production output. The British manufacturer of cleaning equipment purchased an Endoline 407 machine from the Biggleswade based packaging company almost 15 years ago. Testament to the longevity of Endoline machines this original 407 random case closer/gluer system ran successfully so when faced with an increase in production output the existing machine was refurbished and Numatic also acquired a second 407 machine. Endoline 407 machines can accept random case sizes so a new conveyor system was installed to feed Numatic cases into either of the two Endoline 407 machines. The decision was made to run the highest volume product, the Henry vacuum cleaner, into the existing 407 machine while all other products would be fed into the new 407 machine. Due to the high variety of these products, the machine would require constant height adjustments. To meet this need Endoline fitted the conveyor system with optical sensors to detect an identifying patch, which is on the bottom of each box. For further information, telephone Endoline Machinery on 01767 316422 or visit www.endoline.co.uk.



Continuous Flow

Continuous container flow at high speeds is essential to boosting line efficiency and preventing product damage. Especially when moving from multiple to single lanes or the reverse, the gentle slide of bottles across ultra-flat, highly polished stainless steel Rexnord® TableTop® chain can contribute significantly to the quality of any beverage production line. Rexnord X-Line stainless steel chains with extreme precision flatness and superior sliding properties, together with polished hinge eyes, are ideal for pressureless combiners/inliners and for other applications requiring exceptionally smooth product transfers. This results in up to 75% fewer fallen bottles, higher line efficiency from decreased downtime, less bottle abrasion and broken bottles and up to five times longer chain life. For further information, telephone Rexnord Flat Top Europe on +31(0)174 445 147.



A Quick Response

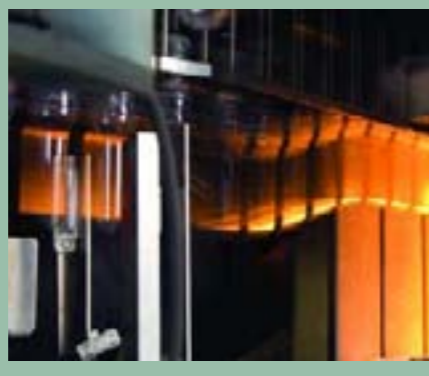
Moog helped Coppice Alupack to restore production in five days, avoiding a potential six-week period of downtime. Following a machine breakdown, packaging company Coppice Alupack had to react quickly or be faced with the possibility of six-weeks of downtime. This is where Moog stepped in and helped fix the problem in five days. The machine in question is used to mould and shape Ovenable Board, a food-packaging medium that can withstand heat of 220C for an hour. James Lamin, Engineering Manager at Coppice Alupack, said: "Ovenable Board is made using a machine equipped with hydraulic equipment that has been in operation for a number of years. There are only two or three such machines in the country. We had a major breakdown, when the hydraulic controller failed and we faced a difficult situation as we could not get any quick support from the incumbent hydraulic equip-



ment supplier and there were no spares available for several weeks. At this stage we went back to the original machine manufacturer who introduced us to Moog, who they regarded as a pretty responsive company. We were fortunate as Simon Furnell of Moog had in-depth knowledge of the original design of this machine." For further information, telephone Moog on 01684 278249.

Innovative Blow-Moulding Machine

Unsurprisingly, since the blow moulding and filling processes for PET containers are a keynote capability of the globally operating manufacturer for complete bottling and packaging lines. At the K 2007, the 17th international trade fair for plastic and rubber, to be held in Düsseldorf from 24th-31st October 2007, Krones will accordingly be spotlighting a PET stretch blow-moulding machine, directly Bloc-synchronised with a filler. This Contiform S14 stretch blow-moulding machine features the newly developed modularised oven, whose length can be much more easily matched to the specific requirements of the client concerned. The machine at the fair will be shown handling the Krones lightweight bottle, which is based on an innovative, reduced-weight perform, creating substantial cost savings in terms of material purchasing. The machine at the fair will also showcase some options for saving energy. The Krones PETView inspection module for direct process monitoring of PET bottle production will also be on show. Further keynotes on the Krones stand at the fair include the design of PET containers and bottle-to-bottle recycling, with which Krones AG offers its clients a closed PET circuit. A showroom will be providing information on possible upgrades for the blow-moulder, Hall 13 Stand A73. For further information, telephone Krones AG on 01942 845 000.



The Mini Pak'r

FP has announced the launch of the Innovative "Mini Pak'r" air cushion machine. The Mini Pak'r weighs six kg and has a footprint of 36x33x26cm. Operating at seven and half metres per minute and utilising five different types of film combining Novus and Cell-O technology this machine caters for all your wrap, block and brace, void fill, interleave, corner and surface protection applications. The Mini Pak'r replaces traditional packaging materials such as bubble wrap, foam in place and paper. With minimal training requirements and RFID technology the machine automatically adjusts itself to the correct air fill and temperature settings. For further information, telephone FP Packaging Machinery on 01280 703161.



A Special Attachment

Packline has designed a special attachment to fit onto their popular range of Compac stainless steel lifting machines. This has been designed to meet their customers' requirements to lift, transport and load rolls of shrink-wrap film onto a Muller Octopus stretch wrapper. The rolls of shrink-wrap film needed to be positioned on the shrink wrappers film carriage situated approximately 500mm from the access point and once at loading position the rolls of film needed to be tilted to locate on the carriage mandrel. The lifting attachment was designed with an extended arm to allow for the reach required, the clamping head arrangement and forward tipping mechanism ensured the reels of shrink wrap film could be easily manipulated and positioned onto the shrink wrappers film carriage mandrel. Chris Baker, Packline's Managing Director, said: "This is another example of the company's ability to provide custom handling solutions. The ability to work closely with customers and provide lifting and handling solution specific to their requirements is one of our strengths. Not only do we develop and manufacture the equipment but we also provide comprehensive documentation and technical support to back it up." For further information, telephone Packline on 01202 724138.



Vogel Lubrication Technology

Lubrication system design, build and installation specialist, Harrison Lubrication Engineering, has been appointed as a distributor for the Vogel range of lubrication systems from SKF. The Vogel products are fully automated, centralised lubrication systems for use in industrial and factory plant equipment, and commercial, off-highway and rail vehicles. They provide Harrison Lubrication Engineering with a core product line that will significantly enhance the lubrication systems offered to customers. Working in partnership with SKF, Harrison Lubrication Engineering is now able to include the latest Vogel technology in its system designs; a full installation and maintenance service ensures that the equipment performs efficiently and consistently and prevents premature failure of critical process equipment. Mike Harrison, Managing Director of Harrison Lubrication Engineering said: "Working with companies like SKF allows us combine the latest manufacturing technology with our



system design and installation expertise to provide lubrication solutions to our customers that are second to none. The addition of Vogel systems to our product range significantly enhances the choice of effective solutions we can offer to our customers, combining both technical and commercial benefits." For further information, telephone Harrison Lubrication Engineering on 01204 691 352.

High Demand For Krones' Blow-Moulder

Krones AG, the world's market leader for beverage filling and packaging technology, has in the first half of 2007 already seen demand for its blow-moulder/filler BLOC solutions rise by over 40%. Krones offers stretch blow-moulder/filler BLOCs customised to suit its clients' particular requirements. The outputs available range from 8,000 containers an hour to 72,000 containers an hour in the high-speed category. Depending on the output involved, transport belts or transfer starwheels are used to pass the blow-moulded, non-returnable PET bottles directly from the Krones Contiform stretch blow-moulding machine to the filler. Long conveyor routes are eliminated, resulting in energy savings for the transport media and minimised opportunities for possible contamination and soiling at the containers. And with a



Krones BLOC the line's efficiency is significantly upgraded. A Krones BLOC can be used for any product filled in 'neck-handled' containers. For further information, telephone Krones on 01942 845 000.

A UK First

William Robertson and Sons, a meat product manufacturer, has become the first company in the UK to take delivery of a new Tipper Tie Alpina Swipper C automatic double clipper. Using the machine, all known plastic, fibrous and collagen casings of calibres 20 to 80mm can be cleanly and efficiently closed. Fast conversion to a different clip pitch from 15 to 12mm enables individual use and increases flexibility over the whole calibre range. The Swipper C can be connected to all conventional filling machines. It precisely closes the portions to make individual, string and ring sausages without meat residue in the ends of the sausages. It is also suitable for many applications apart from sausage production. The Swipper C is also the ideal closure system for packaging semi-finished confectionery, cheese, soups or non-food products. The Swipper has state-of-the-art touch screen controls, is made of stainless steel, and can run at 130 pieces per minute. Bryant is the UK and Ireland agent for the Tipper Tie group, manufacturer of clipping and bowl cutting machinery. For further information, telephone Bryant on 01494 483 991.



State-Of-The-Art Design

For more than 50 years Polytype has strived to develop and optimise high precision coating and laminating systems and 'tailor-made' machine lines for all types of applications including solvent, solventless, water based, hot melt, extrusion, UV & EB curable products at production speeds from 1 to 1200 m/min. The equipment is designed and manufactured at Polytype's factory in Fribourg, Switzerland. It involves state-of-the-art design and is supported by a comprehensive technology centre which includes two Pilot Lines, each of which can be set up with a choice of more than 50 coating methods

and run at highest production speeds up to 1500 m/min. This unique facility provides the possibility to optimise the coating systems and, ultimately, 'peace of mind' for the customer prior to placing an order. At their booth 4 C 56 at K2007, Polytype will present the latest innovations in coating, drying and extrusion technologies. Polytype has a partnership with Battenfeld Gloucester Engineering to manufacture bespoke extrusion coating and laminating lines with the latest web handling and extrusion technology. For further information, telephone Polytype on 0041 26 426 1111.

