MGK’s new Super Seal™ induction sealer solves a pesty leakage problem

MGK, a manufacturer and packager of pesticides in Golden Valley, MN, was struggling to seal their 63-mm caps using a flat head induction sealer with a universal sealing head.

To seal the caps properly, the operator had to pivot the sealing head into position and line up each bottle with an imaginary line so that it passed diagonally underneath the sealing head.

Lining up the head and the cap proved challenging and time consuming. The process was too operator-dependent and

...continued on page 2

New Super Seal™ Jr packs sealing power into small portable package

The new Super Seal™ Jr offers an unprecedented combination of sealing capability, portability, and production flexibility from an incredibly small footprint.

And, it seals everything from the smallest closures to 120-mm wide mouth containers.

Unlike manual sealing systems over twice its size, the Super Seal™ Jr offers packagers premium flexibility. The system can be upgraded and seamlessly integrated with Enercon sealing heads for automated production lines.

The unit's compact design and high level performance is a direct

result of forward-thinking electronic architecture which features a proprietary device switching technique. The system is ideal for laboratory applications, manual production, off-line testing; and startup operations with aspirations of increased productivity.

An operator friendly display completes this powerful package. Users will benefit from a digital sealing timer, missing foil indicator, as well as an electronic batch and foil counter.

When you need to transport or store the Super Seal™ Jr simply pack it into its convenient carrying case. The Super Seal™ Jr is extremely simple to handle, transport, and operate and is the perfect answer to your portable induction sealing needs.
Ryan Schuelke brings over a decade of experience with Enercon to his new post as Regional Sales Manager for the states of California, Washington and Oregon. Ryan is very active in the packaging industry as the acting Vice-Chair of Associate Members of the Closures Manufacturers Association. He is also on numerous committees for the the Association of Dressings and Sauces. You can contact Ryan at rschuelke@enerconmail.com or at 262-250-3164.

Many of you know Larry from his inside sales efforts for Enercon over the last several years. Last year Larry added to his sales responsibilities when he was named Regional Sales Manager for New England. In 2007 Larry will also be Regional Sales Manager for Quebec, Canada. Larry’s customers benefit from his hands-on application experience and knowledge of foil liner and container compatibility. You can contact Larry at 262-250-3178 or lsterna@enerconmail.com.
Bill’s Corner

Inconsistent application torque = Inconsistent seals

In order to get a good hermetic seal, it’s necessary for the foil innerseal, inside of the cap, to be in contact with the lip of the container and have consistent pressure around the circumference. This is accomplished by applying the cap with the correct application torque.

Most packagers don’t realize what effect application torque has on the induction sealing process. For many years, the suggested application torque to achieve a good induction seal has been one-half of the diameter of the cap in inch/pounds.

As an example, a 38mm closure should have an application torque of 18-20 inch/pounds, a 53 mm closure, 25-26 inch/pounds and so forth.

In many cases, especially when the caps are being applied by hand, application torque is all over the place. The result is inconsistent seals. You can imagine what will happen when you have six different people applying closures. You end up with six different application torques.

This can also be caused by cappers that are out of adjustment or have worn tightening wheels. Another cause of inconsistent seals is mechanical in nature, caused by poor bottle/closure tolerances, resulting in the caps and bottles not fitting together properly. Sometimes these irregular fits can be solved with the proper types of foil innerseal.

However, in discussions with cap, bottle, and innerseal suppliers, they all agree the biggest problem is inconsistent or insufficient application torque.

If you have a percentage of containers that are not sealing properly, check your application torque. It may save you a lot of problems.

Website

Enercon’s induction sealing website goes multi-lingual

Enercon’s website now features induction cap sealing content in eight languages: Chinese, Deutsch, English, Español, Français, Italiano, Japanese and Korean.

Learn more about the Enercon product line and the induction sealing process in all of these languages. Discover the answers to the most frequently asked questions.

On our website you can use our e-mail link to submit your inquires in your preferred language.

Visit www.enerconind.com
For many years now, the milk industry has taken great advantage of foil sealing, which allows them to reduce closure weight, eliminate the tear band, and reduce pack weight. Added benefits of improved storage and shipment capabilities from the dairy to the store, and from the store into the home have also been recognized.

Many other industries have taken up foil sealing for varying reasons, the main goal being to ensure product integrity. Now they have identified a vast gain to be made in reducing cap and bottle weight if they foil seal. The awareness of these benefits in the UK is increasing, and currently it is topically correct to address green issues.

Massive growth of supermarkets in the UK has made foil sealing an every day thing. Pack weight is being monitored and reduced. However this is not the case across Europe.

In the UK, the British Government has taken to heart the necessity of improving transport quality. They are actively creating awareness across Europe on the benefits of hermetically sealing containers, which will reduce closure and bottle weight, and subsequently the amount of transported product—which will help reduce the carbon footprint.

Added benefits include sealing in freshness, extending shelf life, and improving transport conditions from the car to the users fridge, as well as reducing the amount of plastic being used and transported. Induction sealing will also aid contract filing companies to reduce rejects.

Missing Link
There is a however a “missing link” between the large outlets, food producers, packers and the machinery manufacturers. They all communicate their vested interest, but they miss the main point, they want to be seen to be good and actively reducing pack weight, but very few of them have 360º control over what happens. Enercon is taking an active part in trying to focus the attention from the Government to the food supplier, from the packer to the component manufacturer and machinery manufacture, so that a coordinated approach can be developed.

The issues are huge; within the UK milk industry alone, over 2 billion bottles a year are sealed and the savings are phenomenal. Many more packs, like milk, can be reduced dramatically if the large groups and supermarkets could collaborate, rather than operate in isolation.

I invite your comments on this important topic. Please contact me on Tel: +44 01296 330542 or e-mail: richard.bull@enerconind.co.uk. We’ll also be at the Total Show May 15/18 at stand #4400. I hope to see you there.