

HERMETICALLY SEALED FACTS . . . from The "Super-Seal"™ People"

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Enercon to Display Innovations in Air- and Water-Cooled Induction Sealing at Westpack '99



While strolling the isles at the upcoming Westpack show, celebrating "50 Years of Packaging Innovation," don't miss Enercon's latest induction sealing innovations at **Booth #3371**.

To demonstrate Enercon's full line of Air- and Water-Cooled Induction Cap Sealing Systems, we will have on display a conveyor-mounted Super Seal 100 air-cooled cap sealer, a Compak cap sealer, a portable Compak Jr. sealer, and a semi-automatic, portable Auto Jr. sealer. This range of equipment can handle everything from laboratory or test marketing volumes to high-production applications in semi-rigid or rigid plastic or glass containers.

Of special interest will be the Super Seal 100 with new stepped sealing head for sealing multiple cap sizes without changing coils, and deep tunnel coil (pictured at left) for sealing sportscaps.

Check out other Enercon equipment in action at the following booths:

Equipment Express: Booth #2595

Kiss Packaging: Booth #3042

Mini Unit Displays Mega Power

The Compak Jr. Induction Cap Sealer has a wide range of capabilities. It sealed both items seen here, a 2 oz. bottle with 5 mm cap, as well as this 1000 liter tote.

The Compak Jr. can be supplied with Sealing Heads to handle a full range of container openings through 120 mm, as well as the new Ultra-Wide Sealing Head (seen in photo), sealing openings 160 (+/-5)mm.

The Compak Jr. will be available for demonstration at Enercon's booth #3371 at the West Pack Show.

For additional information on the Compak Jr. and its array of sealing coils, contact Enercon's Cap Seal Department at 414-250-6070.



The "Wizard" Returns to OZ

A Tribute by Bill Zito, V.P. Cap Seal Sales

I'm sorry to report that on March 31, 1999, the packaging industry lost a giant. Dr. Edward Towns, the inventor of the child resistant safety cap, and plastic closures of all types, died at the age of 79.

When I first met Dr. Towns, in the mid-80's, he was associated with a development company called TBL. TBL's headquarters was a chicken coop on the grounds of one of his partners. It was here that Ed worked and developed every type of plastic closure imaginable.

Ed was a tireless worker, and more often than not, he would work into the wee hours of the morning and then sleep on an old sofa in the "coop." He was a "character" in the nicest sense of the word; always quick with a joke, and he never had anything bad to say about anyone.

He was born in Brooklyn, NY, and at the age of 18 joined the Royal Canadian Air Force. He later joined the U.S. Air Force and flew C-47 transport planes in the South Pacific during World War II. During his military career he received the Distinguished Flying Cross and the Medal of Honor.

After the war he turned his attention to his inventions. In 1956 he developed a child resistant safety cap that brought him national recognition, including an honorary doctorate in humanities from the University of Toronto. Towns fought for legislation to require the childproof caps for 13 years before the invention found its way into the American home.

A touch of the unconventional side of the man was seen in his latest business venture, Oz Worldwide (dealing in product development of closures), located in Raleigh, N.C. The building is constructed like a scaled-down version of a castle, with simple, squared-off turrets rising on either side of a triangular roof. In front of the building is, of course, a yellow brick sidewalk to the entrance. On his business card (pictured here), his title read "Chief Wizard."

Dr. Towns is survived by his wife, Fae, his two sons, Gibson and Clinton, and stepson, William Nordhoff.

He will be sadly missed, but never forgotten, as his inventions live on!



Integral I Customers

*Power Transistor Stock Low ...
Now is the Time to Trade-Up!*

Unfortunately, we have now reached the point where our stock of the TR0431 power transistor, used for the Integral I Induction Sealer, will not support all units in the field for much longer.

For this reason, Enercon has instituted an Integral I Trade-In Program which will allow you to trade up to the latest technology. So, if you have our Integral I Sealers, or even our older SCR-based Sealers, contact your Local Enercon Representative for more information.

Installations Made Easy with Enercon's Discounted Start-Up Service

Enercon recently introduced a discounted start-up service for our customers who are unfamiliar with the installation and use of induction cap sealers.

As part of the service, an experienced Enercon Field Service Engineer will review your sealer installation, making sure that everything has been done correctly. Or, if you prefer, the Engineer can supervise the actual installation.

Once your sealing system is up and running, the Enercon Engineer will provide hands-on training for your operators, as well as routine care and trouble shooting training for your maintenance personnel.

To take advantage of Enercon's discounted start-up service, call Ted Cox or Paul Reed at 414-250-3151. They are ready to tell you more about this new service and provide you with a comprehensive pricing package.

BILL'S CORNER . . .



There are a number of reasons that people experience inconsistent seals when using the induction sealing method. One of the lesser known problems has to do with the flame treatment of bottles.

Many packagers flame treat their bottles to improve the adhesion of labels, or to insure that their printing or silk screening does not come off. Flame treating is often very beneficial for these applications.

However, if a packager is flame treating his containers in a batch and the lips of the container are

Flame Treatment of Bottles - *Good or Bad?*

subjected to the flame, it can have an adverse affect on the adhesion of the foil innerseal to the lip of the container. While the flame treating operation improves the adhesion of labels and inks, it has the opposite effect on induction innerseals.

Therefore, when bottles are subjected to batch process flame treating, some of the lips will be flamed, while others will not. This may be one of the reasons that some of your containers will be effectively induction sealed, while others will leak.

If you experience these problems in your application, and think it may be related to flame treatment, check with your bottle supplier to find out if and how your bottles are treated. Then, contact us here at Enercon to help you solve your sealing inconsistencies.



Jonco Earns Seal of Approval

Packaging challenges are par for the course at Jonco Industries. Induction sealing its containers provides Jonco and its customers with the tamper-evidence and leak protection they need to give a variety of industrial/automotive packaging a boost. Milwaukee-based Jonco contract packages and custom assembles many "unusual products" in what it describes as odd-sized and shaped packages and innovative package structures.

Recently, the contract packager solved a sealing dilemma for a grease gun refill cartridge designed to be inserted into the head of an air ratchet gun. Convenience and opening ease were crucial to the cartridge, which holds 2.5 oz of grease. Luckily, Jonco discovered Enercon Industries' recently developed Pneumatic Jr. induction sealer. To make the container conveniently easy to open using a minimum of packaging material, Jonco chose to induction seal the cartridge on both the top and bottom.

Grease, with its volatile oils, needs a heavy-duty leakage barrier to prevent it from escaping the tube. Since installing the Pneumatic Jr. cap sealing system last summer, Jonco is now able to provide tube cartridges with a capless, leak resistant seal that keeps seepage at bay, yet is easily peeled open.

The tabletop-sized Pneumatic Jr. seals single containers one at a time, using 80 psi of pressure. "The induction sealer gives us a complete land seal or seal around the edge of the tube," states Thomas Light, Jonco Vice President.

After an operator slides a container into the alignment V-stop, the container is precisely positioned. A flip of the foot pedal and the pneumatic sealing head is activated, automatically moving downward to apply the proper amount of pressure to the membrane seal against the mouth of the container until the sealing cycle is complete, which takes less than two seconds. This eliminates the need for a cap to hold the seal in place. A switch is then flipped to raise the sealing head upon completion of the sealing cycle.



"Induction sealing these cartridges has reduced internal rejects and actually improved our internal quality control," Light concludes. "We always take the seal's function into consideration when designing a new package, it's an important factor in any package design, no question. The portable Enercon sealer has proven to be as versatile as our packaging services. Combined, they really please customers." That gets a seal of approval from Jonco.

Excerpted from Packaging Digest, April 1999
Contact Enercon at 414-255-6070 for a complete reprint
or additional information on the Pneumatic Jr.