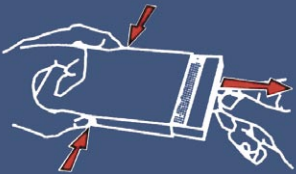


# Child-resistance takes off with the first installation of Stora Enso Pharma SHR



Stora Enso Pharma SHR is a child-resistant, senior-friendly compliance packaging for pharmaceuticals, designed to meet European and North American child-resistance regulations. The packaging has been developed jointly by Stora Enso, of Finland, and Bosch Packaging, of Germany.



Pharma SHR line with carding unit for 2 blisters



Child Resistant, Senior Friendly Compliance Packaging: No longer a challenge with Stora Enso Pharma SHR

**Stora Enso provides the packaging solution and special tear resistant paperboard, while Bosch Packaging provides the production machines and worldwide service. The first company to install a production machine for this new package style is TestPak, based in Whippany, New Jersey, USA.**

**Child-resistant, and yet senior-friendly**  
Meeting child-resistance requirements but remaining convenient and senior-friendly is usually seen as contradictory. However, Pharma SHR (Small Hands Resistant) has a unique opening mechanism based on the size of a hand, which makes opening easy for adults but difficult for small children. Unlike other child-resistant packaging solutions, the primary package inside Pharma SHR requires

no further child-resistance features. This makes it possible to use the same blister pack in combination with Pharma SHR as would be used with conventional secondary packaging in markets where child-resistance is not required.

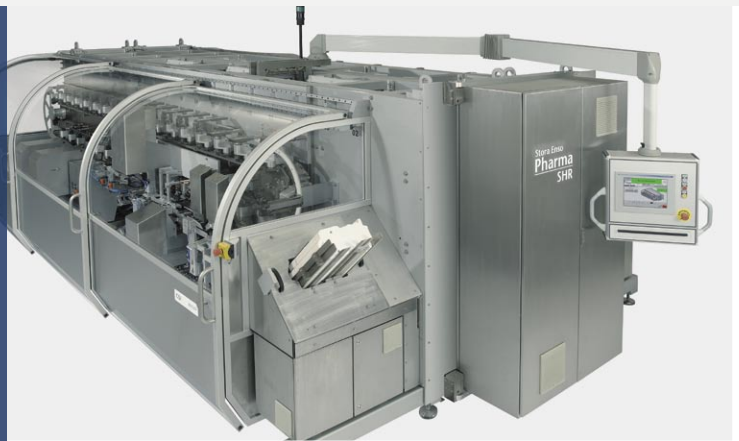
#### **Versatile production options**

Pharma SHR is produced by a mandrel machine, with a production lane on each side of the unit. The left hand side produces the outer box and the right hand side produces the inner slider. Both parts are manufactured from flat board blanks in an extremely accurate process, which ensures the easy opening of the final package. After manufacturing of the parts, there are various options to complete the package by adding a blister and closing it. For small production numbers,

manual assembly is an option and provides high flexibility. For larger volumes, an automatic assembling and closing unit can be installed. Blister magazines for hand loading can be used to process blisters from various sources and feeders are provided for additional items such as booklets, leaflets or brochures. Barcode readers and camera systems can be used to monitor production.

#### **First Installation at TestPak, NJ**

TestPak is the first customer to install a Pharma SHR packaging machine. The company provides the highest level of flexibility, quality and responsiveness, from small packaging runs to high volume production and turnkey product launches. It already offers blister packaging, bottle packaging, cartoning, blister



The Pharma SHR machine installed at TestPak, NJ

carding, pouching and packaging for clinical studies. In the future, child-resistant secondary packaging of blisters will be an additional service.

Commenting on the first installation of the Pharma SHR, Ismo Saarinen, Director, Pharmaceutical Solutions, Stora Enso, said, “Stora Enso is working on several packaging projects with pharmaceutical companies relating to the Pharma SHR package. We greatly appreciate the decision of TestPak to acquire the first Pharma SHR packaging machine, which will provide production capacity and a contract packaging service to companies seeking an innovative F=1 rated solution for child-resistant and senior-friendly compliance packaging.”

**Packazine also spoke with Bill Eveleth, Vice President of Sales and Marketing at TestPak:**

**Packazine:** How does Pharma SHR complement your service offering?

**Bill Eveleth:** “The advanced design brings many important benefits to our customers, including a new level of design flexibility, improved ease of use and cost effectiveness. Our existing product line includes two of the leading carded systems. With Pharma SHR we now offer a carton system as well, which means that we can provide one-stop shopping

to address the range of needs for performance, style, convenience, marketing options, and cost.”

**Packazine:** Why Pharma SHR?

**Bill Eveleth:** “It was critical for us that a new carton design be user-friendly, have robust safety features and be flexible for tailoring to many applications. We were also looking for meaningful improvements as against offerings already on the market. The commitment of both companies to the long-term success of this technology was also important to us.”

**Packazine:** Where do you see the main applications of Pharma SHR?

**Bill Eveleth:** “We already have seen interest for many applications along the life cycle: clinical supplies, product sampling and commercial products. Based on initial customer comments, we believe all of these will be viable applications.”

**Packazine:** Child-resistance is a widely discussed topic in the media. Is the market growing?

**Bill Eveleth:** “We expect the growth in compliance packaging to outpace the overall market. This is driven by increasing regulatory requirements in clinical and sampling projects to ensure child resistance. For commercial products, growth is also fuelled by wider acceptance of consistent standards of performance in child safety.

**Packazine:** Unit dose is another topic – how do you see blister versus bottle in pharmaceutical packaging?

**Bill Eveleth:** “Unit dose packaging is a key strength of TestPak. The ability to track dispensed doses to the level of individual tablets is a clear advantage of blisters.”

**Packazine:** Thank you for your comments!

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