

TAKING THE SHRINK WRAP INDUSTRY TO A NEW DIMENSION



A NEW CONCEPT IN MULTI-PACKAGING FROM POLYPACK

ROBOTIC SHRINK PACKAGING — AN INNOVATION FROM POLYPACK

For over 40 years Polypack has relied on multiple transfers between conveyors and dead plates to collate then shrink-wrap products. These systems were often complex; involving motorized or pneumatic pushers, fly bars, decompression stops, star wheels and other traditional transfer and handling devices. We have designed and manufactured these devices with great pride and success. That was the Polypack of yesterday. We now offer the most innovative and advanced loading, unloading and collating system available. ROKH Systems are simple, versatile, easy to maintain, and most of all cost effective.

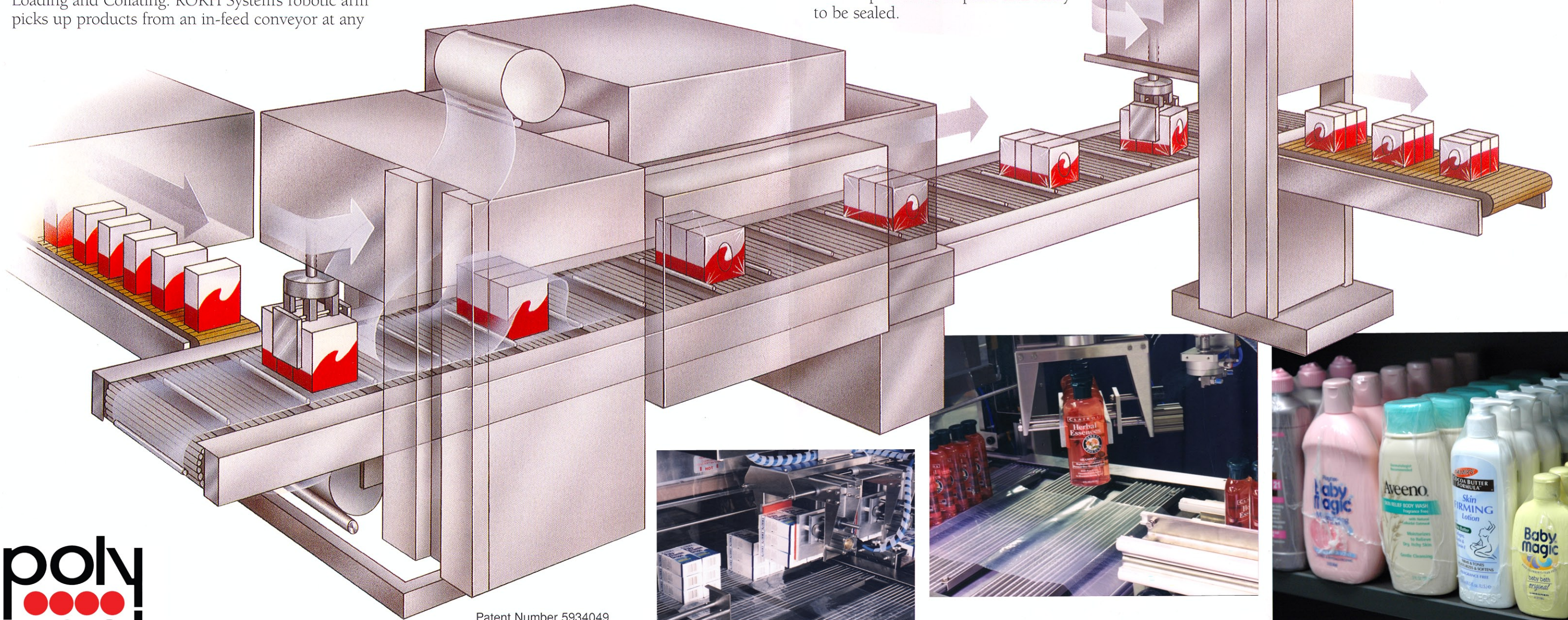
LOADING and COLLATING

Loading and Collating: ROKH System's robotic arm picks up products from an in-feed conveyor at any

angle, and places the products directly on film to be shrink-wrapped. During this process the products can be split, stacked, rotated and collated in any desired configuration. The robotic arm uses interchangeable grippers to give it the versatility to pick up products of various sizes or shapes. The ROKH System is designed to be user friendly and changeover time on the grippers is minimal. The machine can be configured to run multiple products with minimal changeover time or effort. The ROKH System's loading and collation abilities make it an extremely versatile machine. One of the significant benefits the ROKH System offers is its ability to handle tasks previously performed by multiple machines

SHRINK WRAP: At the heart of the ROKH System is a "bucket" style shrink-wrapper. The term bucket itself refers to the solid steel rod conveyor that transports the products through every phase of the shrink-wrap process. The key point to the bucket conveyor is its flexibility; the conveyor is made up of steel rods placed in set increments that permit for product placement of any size or shape with maximum stability, without any adjustments. Another key to the bucket conveyor is its need for no guides or barriers to maintain the integrity of the multi-pack. A Teflon™ coated seal bar is in place at the front of the shrink tunnel, the seal bar uses an electronic eye to tell when a product is in place and ready to be sealed.

UNLOADING: At the end of the ROKH System is a second robotic arm used to unload the bucket conveyor. The second robotic arm picks up the shrink-wrapped multi-packs off of the bucket conveyor; the multi-packs then may be placed on another conveyor, a tray or in a box. If the choice is made to place the multi-packs on another conveyor, the ROKH System will discharge the bundles at virtually any angle, making it the most versatile load, unload and collation machine available.



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polypack inc.

ROKH™

MULTI-PACKAGING SYSTEMS

We named our robotic pick and place system ROKH for the mythical Far Eastern bird (Róc). According to legend, the bird was able to lift very heavy objects with its talons; this included elephants.



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SHRINK PACKAGING EQUIPMENT

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