

ROBOPIK TAKE-OUT SYSTEM FOR SHUTTLE MACHINE AUTOMATION

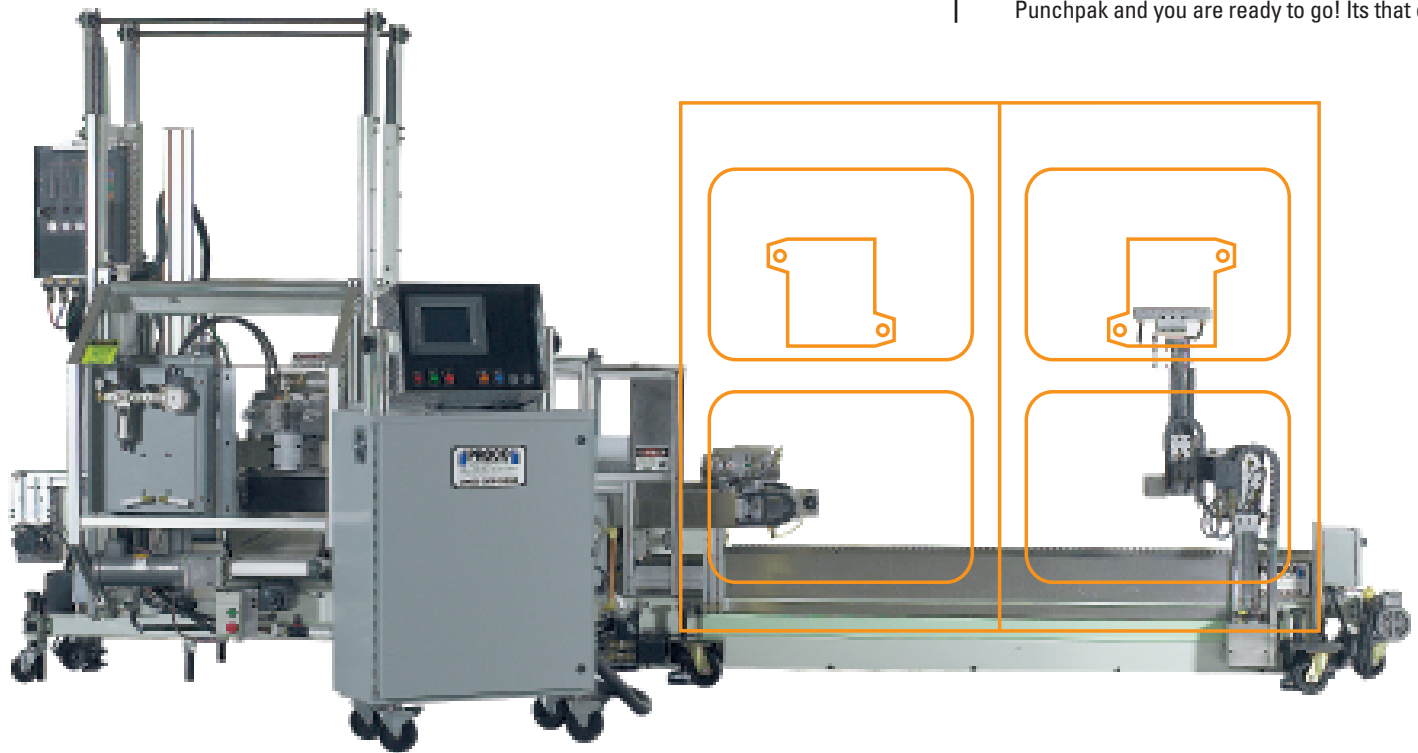
PRODUCT FEATURES

Robopik

The **Robopik** Take-Out System automatically orients the containers while providing benefits not possible with other systems.

Punchpak Tooling

The Punchpak Tooling is like a die set. It's a complete Tooling Package. The integral punch is factory aligned so, when changing jobs, the whole assembly is interchangeable. No adjustments are required, simply interchange Punchpak and you are ready to go! Its that easy!



Robopik: The Leading Take-Out System

This patented technology is only available from Proco Machinery. If your goals include reducing operating costs, improving quality and maximizing efficiency in your blow molding department, take a very close look at **Robopik**. **Robopik** is not just another Take-Out System. It is the best, most advanced system available. **Robopik** is Proco's revolutionary patented new approach to Take-Out technology. It provides many features not possible with other systems.

Robopik's outstanding success can be attributed to its simplicity. Change-over has been given the highest priority through Kwik-Change technology. By introducing **Robopik** into your blow molding operation, you will significantly reduce the need for manual labor, improve quality and increase efficiency, elevating this area of your manufacturing to the highest level of excellence. This will make your company more competitive, resulting in more profit, which is the key to a secure future. With **Robopik**, your goals can be a reality!

Pneutrim Deflasher

The Pneutrim Deflashing machine fits ideally into the system. It provides the mechanism to open and close the Punchpak Deflash Tooling. Equipped with safety guards and an integral scrap conveyor, the Pneutrim is controlled directly from the **Robopik** touch screen. Job parameters can easily be saved and recalled. The Pneutrim is simple to set-up, requires minimum maintenance and provides quick and easy change-overs.



Blow Molding Automation

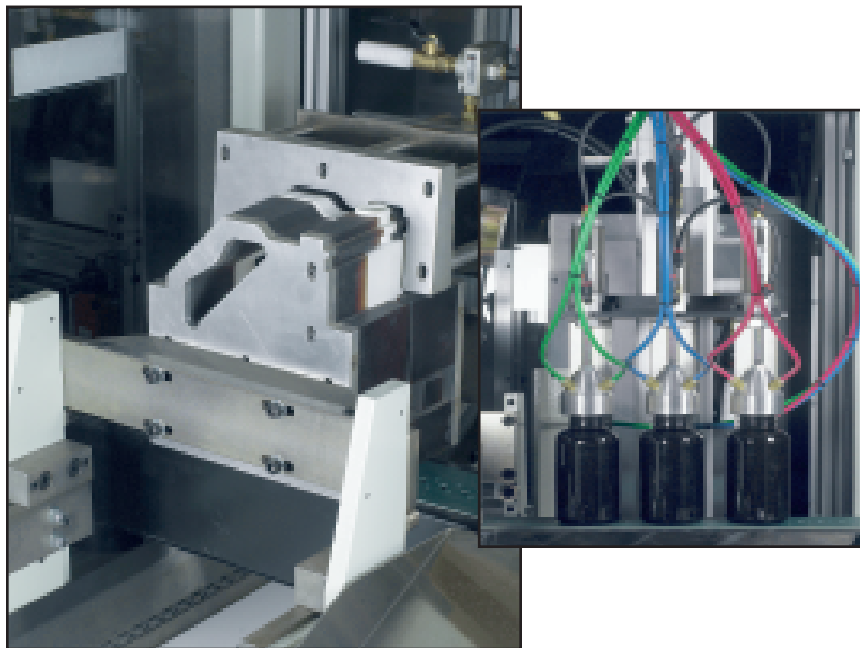
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Wide Range of Flexibility

Robopik is the most flexible Take-Out System available. The patented design allows **Robopik** to be moved from one blow molder model to another without mechanical adjustments. Simply plug in the interface connector and **Robopik's** smart control recognizes the blow molder it is connected to and makes its own adjustments. The standard model encompasses H111, H121, H151, H155, FHB 054-1, FHB054-2, FHB106-1, FHB106-2 and FHB15/2. It is available in both left hand and right hand models.

Single Arm Technology

Robopik features one gripper arm to service both sides of a dual sided shuttle molding machine. This single gripper arm zips between the molds, taking out the containers and transferring them in a controlled and accurate motion using servo precision. Each cycle, the containers are transferred from the gripper to the holding fixtures of the transfer mechanism. The transfer takes them through the tail puller, then to the take-off conveyor. This single gripper arm is unique to **Robopik**. It is patented and provides benefits not possible with other systems. Products without bases can be handled easily. Whether it is a hook, a tottle or any other unusual shape, **Robopik** is the solution.



Configuration

The flexible **Robopik** System can be configured in a variety of arrangements to suit your particular needs. The in-line system provides a simple cost effective solution, where sufficient space is available. Right or left hand systems can be provided. Configurations feeding to the front or back of the blow molder are the most common arrangements. In extremely tight space restricted situations, the system can be supplied with Proco's optional Propik pick-and-place mechanism.

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Provac

The Provac Vacuum Conveyor makes the simplicity of the **Robopik** system possible. This carefully engineered conveyor indexes a precise distance each cycle. Benefits include the elimination of guide rails and no adjustments when changing jobs. Damaged and defective containers simply fall off the line without disturbing the flow of production. The indexing feature eliminates the need for photo eyes, gate cylinders and transfer mechanisms, making set-up and change-over much easier. Best of all, it handles tall and unstable containers with ease.

Cybertest Leaktester

The Cybertest Leaktester is a vital part of Proco's Cyber System. It checks every container for leaks and rejects only the defective ones. The Cybertest works in synchronization with the Provac. Defective containers are ejected directly from under the test head. There are no guide rails, photo eyes or gate cylinders. The easily changed test head system makes set-up and change-over like child's play. The graphic touch screen display adds new dimensions of excellence to this already superior system.

Touch Screen Control

Robopik communicates utilizing a touch screen control. This touch screen allows the operator to interact with the **Robopik** control system. The screens have been designed to lead the operator through step-by-step menus. Operators with limited technical experience can make simple changes with minimum training. Jobs can be saved into memory and simply recalled for the next run.



Blow Molding Automation

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