

**HUSKY**<sup>®</sup>

# HyCAP™4 Beverage Closure Manufacturing System

Built to work together



Husky is a leading global supplier of manufacturing solutions and services for plastics processors. We design, manufacture and integrate the industry's most comprehensive range of injection molding equipment, including machines, molds, hot runners, auxiliaries and integrated systems.

# Fully integrated beverage closure system designed and built to work together

Building upon a proven platform, the next generation HyCAP™4 system features industry-leading technologies that produce the highest quality closures on the market. HyCAP™4 is the industry's only fully integrated beverage closure system designed and built to work together for increased productivity, energy efficiency and ease of use.



## Maximized productivity

Husky is the industry's first single source provider of integrated beverage closure injection molding machines, molds, hot runners, temperature controllers, and productivity enhancement software. Guided by a system level focus, our products are designed from the ground up to work together seamlessly. This integration provides the highest levels of control and performance possible.

Husky's Polaris™ control enables system-level control from a single HMI. Intuitive screens that are easy to navigate enable quick access to critical process parameters and information. Working with a single source supplier helps minimize your operational risk so you can focus on what is most important—molding closures of the highest quality as efficiently as possible.

Plugged gates limit productivity. HyCAP™4 is available with an in-line metal separator to capture contaminants before they are able to enter the machine feed-throat. A patented injection nozzle filter provides an added level of protection by screening out contaminants without impacting process-ability. An industry first Front Mounted Cavities™ (FMC) technology enables quick and easy gate unblocking. Combined, these features help to prevent plugged gates to maximize uptime.

## Industry-leading energy efficiency

Why compromise between output and energy efficiency when HyCAP™4 strikes the perfect balance? Electrification of the clamp motion, servo-variable pumping technology and regenerative clamp stroke braking combine to deliver an up to 40% improvement in energy utilization without any sacrifice in cycle performance.

# HyCAP™4—Multiple improvements for increased productivity, energy efficiency and ease of use



## Mold Intelligence

Optional sensor driven mold alignment detects mold half misalignment and alerts the operator

Mold ID™ integrates machine and mold for efficient process set-up and superior mold care and maintenance

Eject Assist™ technology reduces the time required to obtain an optimal ejection setting



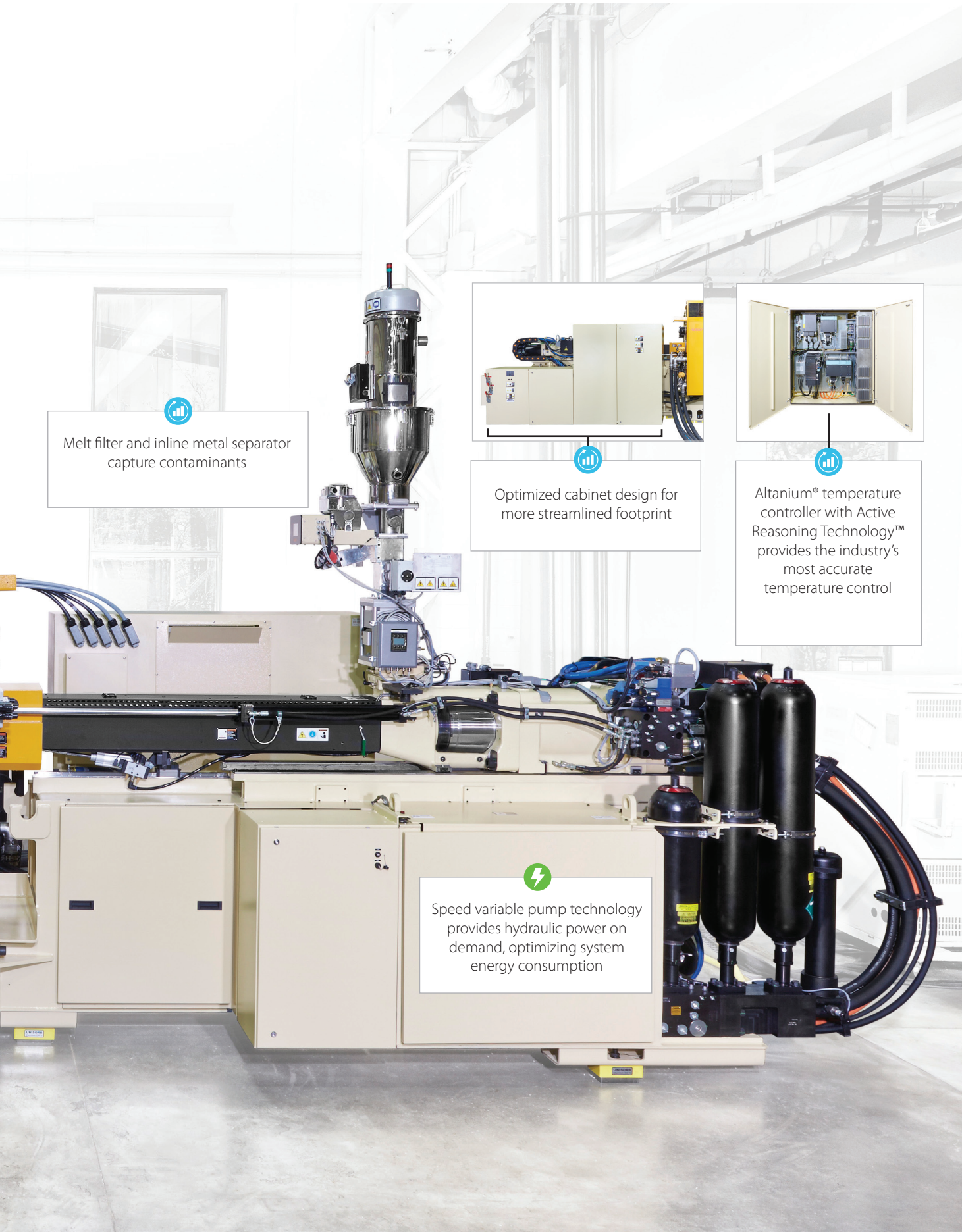
Regenerative Clamp Stroke™ technology stores and repurposes energy on demand




Electric Mold Stroke™ technology reduces energy consumption




Large 19" touchscreen display





  
Melt filter and inline metal separator capture contaminants



  
Optimized cabinet design for more streamlined footprint



  
Altanium® temperature controller with Active Reasoning Technology™ provides the industry's most accurate temperature control

  
Speed variable pump technology provides hydraulic power on demand, optimizing system energy consumption

# Intelligent control features simplify operation and optimize the molding process



HyCAP™4 is equipped with a large 19-inch touchscreen display for simplified navigation

## Built-in intelligence

New intelligent control features have been specifically designed to simplify operation and optimize the molding process. Innovative technologies have been embedded into HyCAP™4 to improve part-to-part consistency, enabling faster start-ups and maximizing overall productivity.

Built-in mold intelligence provides increased functionality and control. Optional sensor driven mold alignment technology provides real time feedback to alert the operator to misalignment events. This technology maximizes uptime and reduces the risk of premature wear. Mold ID™ activates mold and closure details for improved maintenance, visibility, accurate tracking and efficient process set-up. A sophisticated closed-loop algorithm optimizes

the clamp and ejection profiles upon start-up, reducing the time to achieve an optimal ejection setting for a given application.

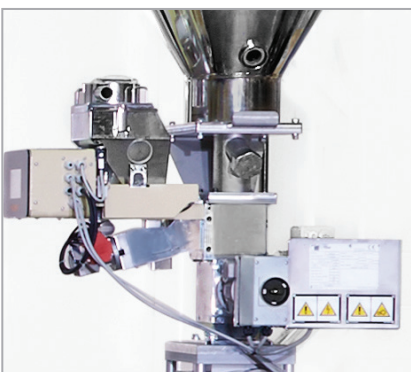
Hiring, training, and retaining skilled operators who are capable of maintaining a high level of operational efficiency is an ongoing challenge. Husky's Simplified Operator Control™ is specifically designed to simplify system operation without sacrificing productivity and quality. The end result is an intuitive and intelligent system for operators with a wide range of skill levels.

## Global Service and Support

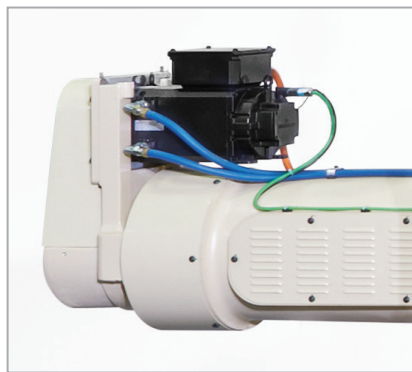
Husky's global service and support network is the most extensive in the industry with sales and service specialists strategically located in more than 40 countries worldwide.

Item	Husky Mold	Third Party Mold
Part centric processing	√	√
Accurate initial process settings (Mold ID™)	√	
Intuitive icons/screen layout	√	√
Larger display	√	√
Mold alignment	√	
Eject Assist™ technology	√	
Mold maintenance tracking (Mold ID™)	√	
Mold protection parameters (Mold ID™)	√	
Optional Front Mounted Cavities™	√	

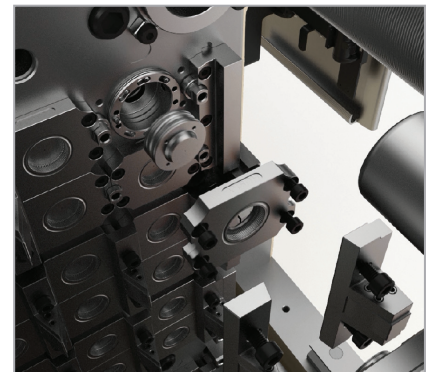
Purchasing a complete HyCAP™4 system with an integrated Husky mold offers a more comprehensive system that is more productive and easier to use.



Optional metal separator



Electric Mold Stroke™



Front Mounted Cavities™

**Husky Injection Molding Systems**  
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