

H-PET All-Electric (AE) System

Efficient, lower volume, all-electric preform manufacturing solution delivering unbeatable value



Benefits

- Cost-effective solution offering the same level of exceptional quality, reliability and after-sales support customers expect from Husky
- Consistent high quality preform manufacturing for the life of the system
- Fastest return on investment, lowest risk and lowest part cost
- Simple and flexible configuration for running multiple applications on a single machine
- Complete turnkey solution optimized to maximize performance, increase quality and reduce waste
- Includes Husky's industry-best preform mold, designed and built to produce the highest quality preforms
- Backed by Husky's extensive global service and support network

Husky's H-PET AE™ (all-electric) system is an efficient, affordable solution for the lower volume market offering unbeatable value with absolutely no compromise in quality. Husky has been manufacturing high-performance, high-output PET systems for over 30 years, and now offers H-PET AE as a high-quality, all-electric system for preform manufacturing in the 5000 to 20,000 PPH range.

H-PET AE delivers the lowest part cost and best energy efficiency compared to other systems in this range. The system gives customers in emerging and niche markets the ability to produce high quality preforms while providing access to Husky's experience, expertise and leading global after-sales support network.

Better return on investment

H-PET AE is an extremely efficient and reliable low output PET system, at a lower capital investment. H-PET AE delivers the lowest part cost in this segment with its low maintenance requirements, energy efficiency, tight process controls, accurate mold tolerances and high quality auxiliaries.

Our systems, known for quality, robustness and longevity, maintain performance and quality for years. H-PET AE is available in a range of configurations to match output and application needs. These combined benefits allow H-PET AE to provide the best return on investment for customers entering into or expanding their presence in the beverage packaging market.

HUSKY®

Keeping our customers in the lead

H-PET All-Electric (AE) System

Depth of experience

H-PET AE leverages Husky's more than 30 years delivering leading beverage packaging solutions, giving small and medium sized bottlers and converters the opportunity to own a system from a true global expert in PET. Rather than purchase discrete pieces of equipment, H-PET AE comes as a complete preform workcell from Husky. Like all Husky systems, H-PET AE delivers the quality that international brands demand.

Same high quality standard

Husky systems are renowned for producing the highest quality preforms in the industry, and are used by the top global brands and PET preform manufacturers in the world. Husky's H-PET AE system gives lower volume producers the ability to manufacture high-quality preforms at a price that fits any manufacturing budget. Every H-PET AE system uses a Husky mold built to the same high quality standards that Husky is known for.

System flexibility

H-PET AE's straightforward design provides a flexible configuration for preform and bottle producers who need to use a single machine for multiple applications. The system has been designed to allow for quick and easy mold changes, giving customers the ability to increase productivity and lower conversion costs when changing molds. The system's standard molds use a common module size capable of molding threads up to 43mm for all cavitations and machine sizes.

Complete turnkey solution

H-PET AE is a truly integrated complete turnkey solution. The system is optimized as a whole to maximize performance, increase quality, reduce waste and lower energy consumption. With Husky as the single source for the complete turnkey workcell,

H-PET AE includes the machine, mold, hot runner, post mold cooling, resin dryer, mold dehumidifier, chilled water system, piping and electrical distribution. H-PET AE is managed through Husky's integrated Polaris Control™, centralizing operation of the complete workcell through a single interface.

Local expertise and support

Husky's extensive global network makes it possible to provide the most responsive local service, which includes a team of Husky PET sales and service specialists in more than 40 countries worldwide.

H-PET AE fully electric system features:

- Proven and reliable design
- Efficient, quiet and low maintenance
- Integrated take-out device using water cooled take-off tubes provides up to three stages of post-mold cooling
- Optimized standard auxiliary package, including resin dryer, mold dehumidifier, low temperature chiller, t-belt conveyor and complete workcell infrastructure
- Fully integrated through Polaris Control HMI, centralizing operation of the entire injection molding system through a single user interface



Full Suite of Product Services and Support



H-PET AE offers a complete system solution for lower volume preform manufacturing.

We take responsibility for supporting our customers from start-up through the life-cycle of the system. Husky offers the experience and resources to keep these systems running at peak efficiency and is the only supplier in this output range to provide a full suite of services and support.

Preform Molds

As the world's largest moldmaker, Husky is able to deliver global tooling programs for new molds or conversions of any size. Preform molds are produced at dedicated facilities in Canada, the United States and Luxembourg. Husky regularly invests in these state-of-the-art facilities to increase capacity, reduce lead times and maximize part quality.

Husky molds provide industry-leading productivity based on fast cycle times and high efficiency levels, and are manufactured with high quality materials and proven mold designs to ensure long mold life. Husky molds also feature the lowest cavity-to-cavity weight and dimensional variation as a result of best-in-class manufacturing machines and processes.

Refurbishment, Conversion and Lightweighting

The success of preform and bottle producers depends, in part, on taking advantage of lightweighting opportunities, thread conversions and new preform and bottle

designs. Husky lightweighting and mold conversion services are designed to meet these needs in a timely and cost-effective way. Husky is the only moldmaker with the capacity to manage large-scale, market-wide programs while also responding to the needs of customers who want to convert a single mold.

Maintaining best-in-class preform quality requires regular mold maintenance and scheduled refurbishing programs. As a mold ages under regular operating conditions, preform quality begins to diminish. Husky offers a wide range of refurbishing services to address this issue, and our extensive network of refurbishing centers enables customers to quickly and easily convert or refurbish their molds, regardless of location.

Manufacturing Advisory Services

The Husky Manufacturing Advisory Services team provides operational consulting, design and project management services to help customers increase the operating efficiency of their plastic injection molding facilities.

Husky's Manufacturing Advisory Services focus on areas such as:

- operational effectiveness
- energy reduction and management
- tooling standards
- machine layout
- plant operating procedures
- production monitoring systems
- process infrastructure and automation

Husky design services are typically used by customers exploring the feasibility of plant expansion, relocation, consolidation or those who are looking to build a new facility.

Husky's factory planning and optimization study uses a structured approach to create a roadmap for a customer's molding business

that will help to maximize efficiencies and build in the flexibility necessary to meet future requirements. Services include:










- workcell design
- equipment standardization
- resin handling and distribution
- product handling and inventory
- plant layout and design

Bottle Development Center

Husky's Bottle Development Center (BDC) can help bring a customer's new package design from concept to complete bottle quickly and cost-effectively. It offers a complete range of confidential preform and bottle development services to ensure our customers' next preform designs are optimized for injection molding, performance, and tooling flexibility. We provide industry-leading solutions in optimized preform design, preform and bottle sampling, prototyping hardware, and quality testing.

Husky is also one of a select few manufacturers to have a testing facility approved by Coca-Cola. Preforms meeting specification and quality standards in Husky's facility do not require further testing by Coca-Cola. This designation represents an extremely high level of trust between Coca-Cola and Husky.

Broadest product range in the industry

	H-PET AE180 RS60	H-PET AE180 RS68	H-PET AE230 RS68	H-PET AE230 RS80
	Cavitation output (mm/yr)	Cavitation output (mm/yr)	Cavitation output (mm/yr)	Cavitation output (mm/yr)
 600 mL (20 oz.) Carbonated Soft Drink Neck finish: 28 mm PCO Weight: 20.5–25 grams	24 38	32 59	32 58.3	48 85.9
 500 mL (17 oz.) Flat Water Neck finish: 26-PCF Weight: 8.5–14 grams	32 112.5	32 112.5	48 163.1	48 163.1
 1.5 L (51 oz.) Sparkling Water Neck finish: 25–30 mm Weight: 25–36 grams	16 33.6	24 50.4	24 49.4	32 57.9
 500 mL (17 oz.) RTD Tea / Hotfill Neck finish: 28 mm Modified PCO Weight: 20–27 grams	24 50.4	32 70.1	32 70.1	48 76.4
 500 mL Aseptic juice Neck finish: 38 mm Weight: 18–24 grams	24 45.6	32 70.6	32 69.1	48 102.9
 600 mL (20 oz.) Hotfill juice Neck finish: 38 mm Weight: 29–32 grams	16 31.6	24 49.6	24 36.8	48 71.5
 473 mL Dairy Neck finish: 30–38 mm Weight: 22–26 grams	24 50.4	32 70.1	32 70.1	48 76.4
 330 mL Beer Neck finish: 28 mm PCO Weight: 22–30 grams	24 54.9	32 76.5	32 76.5	48 83.3
 946 mL Food Jar Neck finish: 63 mm SP400 Weight: 37–40 grams	12 25.2	12 25.2	16 33.6	16 33.6

Husky Injection Molding Systems
www.husky.ca

Head Office Canada • Tel. (905) 951 5000 • Fax (905) 951 5384
Asia China • Tel. (86) 21 3850 8000 • Fax (86) 21 5048 4900
Europe Luxembourg • Tel. (352) 52 11 51 • Fax (352) 52 60 10

* HUSKY, HUSKY KEEPING OUR CUSTOMERS IN THE LEAD & DESIGN and HyPET are registered trade-marks of Husky Injection Molding Systems Ltd. in the United States and other countries, and may be used by certain of its affiliated companies under License. Other HUSKY products or service names or logos referenced in these materials are trade-marks of Husky Injection Molding Systems Ltd. and may be used by certain of its affiliated companies under License.

© 2012 Husky Injection Molding Systems Ltd. All rights are reserved.

 Please recycle. 12-036 April 2012