PowerPro–G™
Reducing energy consumption and improving overall efficiency in G–PET™ machines

PowerPro–G™ is completely controlled through the G–PET™ HMI screen.
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.
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PowerPro–G™ is energy management software designed for G–PET™ machines. By modulating hydraulic pump and injection screw behavior, the technology has delivered consistent energy savings. Measured power savings of approximately 75 machines with PowerPro–G™ installed globally fall in the range of four to 12 percent. To sustain a system’s overall energy efficiency, Husky’s Pro–Act™ program is an excellent choice.

Features
• Adaptive pressure control
• Improved screw motion
• Proven technology
• OEM configured parameters

Implementation
• Easy integration with Pro–Act™
• Non–disruptive implementation
• Upgrade made by qualified technicians

Benefits
• Up to 12% measured energy savings
• Typical return on investment between 1 to 1.5 years
• Cycle time and part quality maintained
• Reduced carbon footprint

Plug into the Savings
When tracking the specific energy savings of 18 injection molding machines PowerPro–G™ delivered an average of eight percent energy reduction per machine.

Case study
For example, if a customer with a 10–year old G–PET™ 300 ton machine running a 48-cavity mold at a 13.4 second cycle time, producing a 31 gram PET preform was looking to reduce energy costs with PowerPro–G™.

Energy savings = 8 percent (average)
Throughput = 400 kg/hr
Energy consumption= 0.3 kWh/kg
Operational hours/yr = 7,709 (88 percent uptime)
Energy cost = $0.11 USD/kWh

An annual energy consumption of 924,528 kWh would translate to more than approximately $101,698 USD in energy costs. At an average 8 percent reduction in energy savings would translate to approximately $8,135 USD saved a year, with a return of investment in just under 1.1 years.*

*Installation included. Travel and expenses may apply. Discounts may be available when combined with Encore™ or Pro–Act™.