

## CASE STUDY

### 1-PCB CARTON CLOSURE



#### Challenge:

A long-standing South American customer turned to Husky to provide a solution for producing a one-piece HDPE carton closure for dairy packaging. The system had to be capable of extremely high output while ensuring the highest product quality shot to shot and energy efficiency.



#### Husky Solution: High performance & energy efficient molding platform

#### Added Values

#### High performance HyperSync HN300:

- Electric mold stroke, electric clamp lock and speed variable servo pump to decrease energy consumption.
- High performance clamp featuring Reflex platens delivers high part quality and shot to shot consistency at extremely short cycle time of 2.6 seconds.
- Generous tie bar spacing to accommodate 72 cav. mold.



Short cycle time | target 750 mln parts/year



30% energy reduction | \$25,000 yearly savings



Consistently high part quality



Reduced scrap rate

Husky Machine Technology	Area of Improvement	Added Values
High Performance clamping unit	Cycle time reduction	Higher production volumes Lower part costs
Reflex Platens	Equal clamp force distribution Lower tonnage requirements	Higher part quality
Robust clamp base & low friction linear bearings	Higher mold weight carrying capability Excellent platens parallelism Minimum core shift	Low reject rate Longer mold lifetime
Generous tie-bar spacing & daylight	More space for large multi-cavity tooling	Optimum IMM size Less footprint
High injection performance	Optimum process window Faster injection & recovery rates High throughput capability	Higher part quality Operational flexibility Optimized lightweighting

