HUSKY®

CASE STUDY

2-PCE TETHERED CARTON CLOSURE

Challenge:
A long-standing Husky customer, a leader in development and production of plastic caps, worked on a new tethered closure design that would adhere to Europe's new legislation regarding single use beverage containers for the food and retail sector. New production systems must ensure high output and high part quality running 24/7.

Husky Solution: High performance & energy efficient molding platform for lid and spout

High output HyperSync 300 systems:

- 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 an extremely short cycle time below 4 seconds.
- Generous tie bar spacing to accommodate 72 cav. molds.

Added Values

- Short cycle time | target 520 mln parts/year
- 30% energy reduction | $25,000 yearly savings
- Consistent high part quality essential for post molding assembly
- 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