

Thermoforming mold and tooling manufacturer improves delivery times and cuts costs with custom drop-in valve replacement

RESULTS

- Faster delivery, thanks to consistent lead times
- Accelerated installation with drop-in valve and cylinders
- Greater machine performance in terms of repeatability, reliability and energy efficiency due to the extended valve lifetime
- Additional cost savings due to vendor consolidation



APPLICATION

Mold and tool design and manufacturing, including complete molds, cavities, punches, trim dies and tools, for the thermoforming industry.

CUSTOMER

A company specializing in thermoforming tooling.

CHALLENGE

The customer, a specialist in thermoforming molds and tools, needed a four-way, robust valve that could serve as a drop-in replacement for a competitor unit. The company was experiencing issues with its incumbent supplier, including inconsistent lead times and delayed technical support.

SOLUTION

Emerson experts stepped in with a combination of superior product quality and customer service. In terms of a technical solution, they provided Numatics™ Mark 3 four-way, spool-and-sleeve valves and manifolds. To accelerate installation, Emerson customized the dimensions of the M Series round cylinders to match the incumbent cylinders' size and design, creating a simple drop-in replacement.

A mold and tool designer for thermoforming applications accelerated its installation time and product delivery with a drop-in custom valve replacement from Emerson.

PACKAGING & FILLING

In addition to the exact dimensions, the ASCO™ valves offer many superior technical features, taking system performance, service life and energy efficiency to the next level in thermoforming applications. These features include:

- Repeatable, reliable performance in harsh environments and high-cycle machine applications
- Long service life
- Modular design for easy configuration
- Superior energy consumption, thanks to the integration of pressure regulators

In addition to meeting — and exceeding — the company's technical requirements, Emerson offered superior and consistent lead times, as well as ongoing technical support, enabling the company to deliver its mold and tooling solutions faster. By consolidating its suppliers of solenoid valves, cylinders and filters, regulators and lubricators (FRL), the company also saved production costs.

Thanks to the combination of high product quality and customer service, the mold and tooling company plans to use additional ASCO and AVENTICS™ products in the future.

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