

Injection Molding Company Increases Throughput and Eliminates Mess and Maintenance by Replacing Hydraulic and Pneumatic Cylinders with Integrated Electric Actuators

CUSTOMER

A plastic bottle cap manufacturing company located in Europe.

APPLICATION

Injection Molding: Ejection of molded parts from mold.

CUSTOMER CHALLENGE

Throughput goals were not attainable with existing hydraulic and pneumatic cylinder solution. In addition, the existing solution required significant maintenance over the life of the machine resulting in an unacceptable amount of machine downtime.

SOLUTION

The customer selected the Exlar® GTX Integrated Motor / Actuator due to their high power density and speed. In addition, the compact form factor of the GTX (comparable to a hydraulic cylinder) required minimal engineering design changes to accommodate.

According to the customer, in addition to offering a superior product solution the Exlar service and support team provided a high level of communication throughout the project and specifically addressed all needs of the application.



RESULTS

Converting to the Exlar GTX products resulted in a significant increase in machine productivity, both in terms of increased throughput and reduced machine maintenance/downtime. Additional benefits of the Exlar solution include increased part quality and reduced scrap.