

Auto-Injector manufacturer achieves fully automated high speed production with flexibility to manufacture custom variants

RESULTS

- Fully automated production removes operator error
- High speed lines maximise throughput
- Flexible solution enables manufacture of custom product



APPLICATION

This solution fully automates the production of auto-injectors, moving and gripping components and sub-assemblies as they move through the production process.

CUSTOMER

A global manufacturer of injectors for the automotive market.

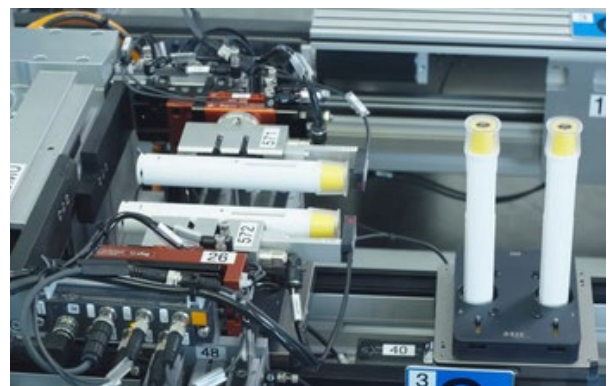
CHALLENGE

The customer sought to automate the production of their auto-injectors. The solution needed to be capable of handling the high production demands but with the flexibility to be quickly changed over to manufacture customized products. Robustness and durability were key requirements to minimize downtime and maintain a high level of Operating Equipment Effectiveness.

SOLUTION

The fully automated and controlled system was engineered to meet the customers design requirements. It included electric and pneumatic handling components for the precise optimization of precision, speed and power. The system was designed to be flexible so that it could be used to manufacture custom variants of the injectors. Products includes in the system include pneumatic slides, grippers and rotary grippers as well as electric slides, rotation modules and gripper jaws. This solution streamlined operations, minimized human error, and optimized throughput, enhancing overall manufacturing performance.

“Fully automated system uses mix of pneumatics and electric movement to optimize performance”



Auto injector production line.

Learn more:

