

Leading healthcare manufacturer implements high speed lid tightening solution to maximise process efficiency

RESULTS

- Increased production capacity
- Improved process reliability
- Reduced Rework



APPLICATION

High speed system to place and then secure lids on pharmaceutical containers in clean room environment.

CUSTOMER

Leading healthcare manufacturer supplying containerized pharmaceuticals.

CHALLENGE

As a leading pharmaceutical manufacturer was scaling up production they needed a manufacturer that could design and build a lid placement and tightening machine in a short timescale. The customer needed a solution to handle the high-speed placement and tightening of lids on 1,500 to 2,000 containers per hour. They required a process that was compatible with cleanroom standards and ensured precise torque application to maintain product quality. Additionally, they had precise requirements on the reliability and durability of the machinery to ensure a high level of Operating Equipment Effectiveness.

SOLUTION

Two linear and rotary machines were provided, the first, an Afag EPS mini ZC, to pick up a lid and to place it correctly on the container. The second, an Afag EPS maxi ZC to tighten the lid to the required torque. These systems used linear motor-operated portal axes and electrically operated rotary axes to achieve fast, accurate lid placement and tightening, addressing the need for high-speed operations and precise torque control. The solutions are proven in use and able to meet the long lifespan required by the customer. Emerson designed and manufactured the solution within the required short delivery timescale.

“Advanced lid-tightening systems provided within short delivery time to meet the customers need for a rapid scale up”



Cleanroom compatible lid tightening machine.

Learn more:

