



Morrison Ampoule Handling Custom Drive Assembly

INDUSTRY: Pharmaceutical **OPERATING SPEED:** 330 CPM **CONTAINER:** GLASS AMPOULE

Customer Container Handling Challenge:

Our customer needed to present the ampoules to a gripper conveyor for inspection.

Morrison Solution:

Our engineers devised a custom drive assembly to accept the ampoules from a mass feed, feeding them perpendicular into the timing screw. The ampoules are supported by a back-pressure arm/rail that continues to drive the ampoules into the timing screw pockets. The timing Screw will single file the product, increasing the pitch up to 33mm to twist the ampoule 90 degree so it is on the bottom side of the timing screw.

The ampoule, handed off to the Morrison star wheel, is fed tangentially and then handed off to the gripper conveyor. Morrison equipped stars and guides for this system with a top/bottom support rail in order to positively control the ampule so the customer could bring the gripper between these elevations while grabbing the ampoule.

Construction: Stainless Steel



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