



Morrison Stacked Timing Screw Integrated Packaging System

INDUSTRY: Pharmaceutical **OPERATING SPEED:** 120 CPM **CONTAINER:** 15ml Test Tube

Customer Container Handling Challenge:

When COVID-19 hit the world by storm, this leading pharmaceutical manufacturer was tasked by the United States government to get as many COVID-19 tests into the market as soon as possible. They needed to be filled, capped, and packaged quickly, to meet consumer demand, and at the time, the company was only able to manufacture 30 to 50 tests a minute on their current 4 lines.

Morrison Solution:

Our design team engineered stacked timing screws and integrated it into a complete packaging system. The timing screws positively control the container throughout the entire process, accepting them from the sorter and moving them along with dwell for filling, indexing for capping, and laying down on an exit conveyor for final packaging. By bringing the speed up from 30-50 CPM to 120 CPM per line, the company ordered a total of 16 lines to be integrated in plants state side and internationally, helping to meet the demand of COVID-19 testing. Each system is capable of producing 130,000 test kits a day.

Construction: Stainless Steel

Output Increase with Morrison System: 30-50 CPM to 120 CPM / per line



**INNOVATIVE
CONTAINER HANDLING
EXPERT DESIGN
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