



Intelligent Robot Solutions



Application: Palletizing

Industry: Pharmaceuticals

Company Name: Fortune 100 Pharmaceutical Company

Products Used: (4) FANUC M-410i Robots with PalletTool Software



(4) M-410i robots palletize to 16 locations.

Challenges:

A major pharmaceutical company was challenged to automate its palletizing operations. Current operations required nine manual operators to palletize over 80 SKU's. Product cartons are open top and closed top and can weight up to 50 pounds. They were operating on two shifts per day.

Solution:

Robert E. Morris Company was selected to provide the robot system integration and Wonderware MMI interface.

Twelve conveyors feed (4) M-410i robots with PalletTool Software. Three robots are equipped with 64-cup vacuum tooling to pick up three cartons per cycle. The fourth robot has both vacuum tooling and mechanical side tooling to handle open top cases from the bottom. A pneumatic tool changer facilitates alternating between the vacuum and side tooling. The end-of-arm tooling also handle slip sheets. System also includes transport cars for full pallets and stretch wrapper.

Eight operators are saved per shift and the customer has had the robots installed for two years and has had no stops in production. They are now running 7 days a week, 24 hours per day.