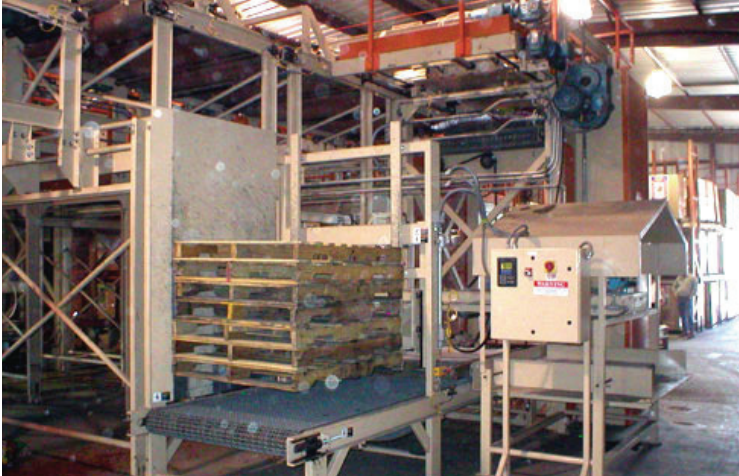


APPLICATION SOLUTION: Palletizing & Slip Sheeting



Product Family: Pneumatic

Product Used: MXP32

Product Type: Standard

Application Requirements

Stroke: 72 in. horizontal; 62 in. vertical

Speed: 30 sec. one complete cycle

Load: Horizontal actuator carries the load of the vertical actuator

Moments: 632 lbs for Mya

Motion Profile: X-Y gantry

Application Description:

Slip sheet placement on pallets for palletizing

Challenge:

A manufacturer of palletizers for bagged, bundled and baled products was looking for an efficient way to place a slip sheet on top of pallets to ready them for palletizing. The X-Y gantry process needed to be securely stabilized to allow slip sheets to be dropped in multiple positions on the pallets.

Tolomatic Solution:

A MXP profiled rail pneumatic cylinder was selected to achieve the smooth linear motion required. One MXP actuator mounted on the X-axis moves to position the Y-axis MXP actuator over the paper sheets. The X-Y configuration moves down, picks up the sheet, moves up and over into a new position on a pallet. Sensors were implemented along the horizontal stroke of the X axis MXP actuator to signal position.

Customer Benefit:

- Increased machine efficiency and increased palletizing production
- Achieved standardization of design on all slip sheet placement