



RTS (1408P/2812P) ROBOTIC TRAY SYSTEM

Video 

Fleetwood's Robotic Tray Systems (RTS) maximise line efficiency in the can end manufacturing process by providing distribution and accumulation of shells. The robot balances the infeed and discharge rates, as well as the number of lanes, to meet the precise needs of the production line. The ability to store excess production and provide additional supply for underproduction based on is possible with our removal trays. The RTS sets the industry standard with its exceptional handling of the market's highest line speeds and efficiency demands.

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DESCRIPTION

Fleetwood's Robotic Tray Systems efficiently handle the distribution of shells and isolates upstream from downstream production. Infeed lanes separate sticks of ends by length and the robot transfers the sticks to either storage trays or discharge lanes based on product demand. Trays are stacked as they are filled and can be stored outside of the RTS to build-up product inventory that is put back into the RTS when needed to maintain production flow.

Fleetwood's robust low-cost plastic trays allow plants to maintain product inventory with less capital investment year after year. Product type or colour changeover is reliably handled by the system to isolate primary from secondary product and maintain production. With optional automatic product change marker detection operators can focus on changeover in other areas of the line. The RTS system is built for the demands of 24/7 operation and driven by Fleetwood's user-friendly control system. All Fleetwood equipment is designed around the same customer focused, reliable, and innovative approach that has made us a leader in the can end market since 1956.

FEATURES

- Production capacities up to 14,000 spm
- Capability for ends from 200 to 206 diameter
- Infeed configurations up to 8 lanes
- Discharge configurations up to 12 lanes
- Tray stack capacity of 180,000 shells
- Low maintenance requirements
- Robust low-cost HDPE plastic stackable product trays for customer inventory
- Air hold-ups and servo-controlled stick handling of shells with minimal pressure and product contact
- Reliable product/colour change and isolation functionality
- Easy product visibility and accessibility
- User-friendly Allen-Bradley PLC control system

AVAILABLE OPTIONS

- Custom lane quantity configurations and system layouts
- Automatic product/colour change marker detection
- Colour change QC sample drawer for product inspection and reintroduction
- Secondary tray handling system for single system dual colour operation
- Indexing table for dual product production on separate machines
- Counting & tracking systems for tray stack shell counts and daily production information
- Siemens PLC control system



Contact our experienced sales teams today for a comprehensive review of your application(s) and to see how our Robotic Tray Systems can benefit your company.