

AMF

ROBOTIC PAN/LID STACKING AND UNSTACKING SYSTEM



- **Totally Automated Handling System Available for Pans and Lids**
- **Articulating Arm Robot Precisely and Gently Stacks or Unstacks Pans or Lids, Handling Multiple Units Per Cycle**
- **Easily Integrated With Automatic ASRS Systems or Existing Hand Truck Systems**
- **High Cycle Speeds to Handle a Wide Range of Production Requirements**
- **AMO (Automated Motion Optimizer) Software Package Eliminates Need for Teach Pendant**

MECHANICAL FEATURES

- Pan/lid conveyor system with guide rails, stops, pop-up reference pins to accurately locate the pans or lids
- An articulating arm robot is provided for robotic pan/lid handling. The robot is a high performance precision handling machine, impressive above all in its speed and long reach.
- Anti-static pan/lid conveyor design
- Integration with ASRS or hand truck systems
- The robotic pick head is available in both mechanical and magnetic versions depending on the application.
- Accumulation conveyor is supplied to accept the pans or lids. The conveyor includes guide rails and floor supports.
- Hard guarding is provided to prevent access to restricted areas when the robot is active.



ELECTRICAL FEATURES

Safety systems compliant with ANSI/RIA/ISO 10218-1-2007 including controlled access to hazardous areas.

Large touchscreen display with intuitive navigation and controls

Robot controls integrated with PLC and display. Teach pendant is not required during normal operation.

New pan types can be “taught” by completing a form on screen (Automated Motion Optimization). No teach pendant required.

Full Diagnostics and manual controls provide intuitive feedback on sensors and actuators

- Allen Bradley push buttons for the following functions:
 - Start
 - Stop
 - Alarm (acknowledge/reset)
 - Emergency stop

NEMA 12 remote enclosure (painted steel) including:

- ControlLogix PLC
- Allen Bradley inverters
- Main power disconnect
- High speed Ethernet industrial PC has UPS for controlled systems shutdown and improved system availability
- Robot control station



Control Panel

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