

AMF

ARTICULATING ARM BASKET LOADER



- **4-Axis Robotic Loader Designed for Increased Layout Flexibility**
- **Handles a Wide Variety of Basket & Case Loading Applications Including "U" Board Insertion**

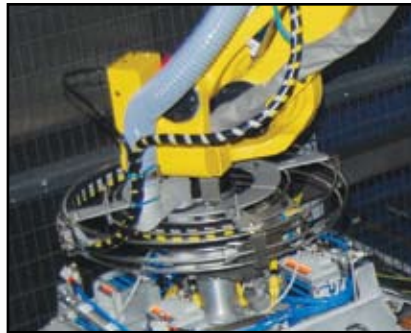
FEATURES & BENEFITS

- **Multi-infeed high speed pick and place capability**
- **Very flexible design with application specific patented End of Arm Tools (EOAT)**
- **Back-pressure management infeed system**
- **Patent pending AMO (Automated Motion Optimizer) software eliminates need for teach pendent**
- **Infinite number of pattern development capabilities without tool change**

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MECHANICAL FEATURES

- 4-axis robotic arm
- Back pressure management product infeed collation system
- Patented high resolution individually valved EOAT
- Automatic shipper feed and indexing system
- Patented compressive end effector (EOAT)
- Request entry cell access door system
- Patent pending cable and hose management system for the EOAT



Patented EOAT with Patent Pending
Cable and Hose Management System



4-Axis Robot Arm

ELECTRICAL FEATURES

NEMA 12 electrical enclosures are mounted on the fence guarding:

- 208/230/240/460/480/575/600 volts, 3 phase, 60Hz
- Total connected load: 30 KVA
- Control voltage AMF panel generated 120VAC/1PH/60Hz PLC Inputs 24VDC
PLC Outputs 24VDC
- Allen Bradley Compactlogix PLC
- Allen Bradley PowerFlex inverters
- Allen Bradley Industrial Computer OI
- Allen Bradley push buttons for the following functions:
 - Two-button start
 - Stop/emergency stop
 - MCR reset
- Category III safety control system



Operator Interface

Patent pending AMO (Automated Motion Optimizer) Software Package managed with an Allen Bradley PLC and a Touch Screen Interface.

The robot teach pendant is not required. All operational and pattern forming functions are controlled by the PLC.

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