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
ARTICULATING ARM
BASKET LOADER

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

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

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.