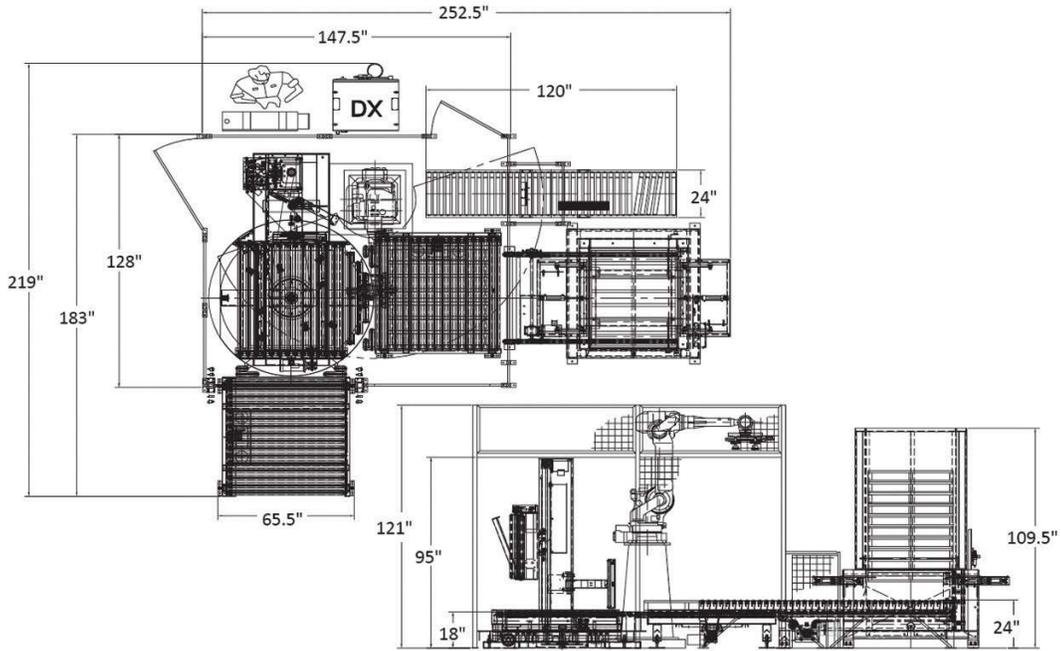## Robotic Palletizing

Our Arbot Model is a pre-engineered robotic palletizing cell that automatically stacks and wraps pallets to exact specifications. It consists of a multi-axis robot, gripper, automatic stretch wrapper, pallet dispenser and conveyance system within a space efficient footprint. Arbot cells range from a one-line in/one-line out configuration, up to a four-line in/four-line out configuration to match your application needs.

The system can accommodate cases, trays, bundles, bags, etc. Speeds vary by application; however, rates up to 60 pieces per minute are possible. An automatic pallet dispenser supplies pallets as needed and can be reloaded while the system is running to maximize efficiency. Slip sheets and tier sheets can also be placed as needed. After the load is complete, it is transferred to a fully automatic stretch wrapping station, allowing the robot to immediately begin building the next pallet. Wrapped pallets are then discharged to a staging conveyor for pick-up.

APPLICATIONS

- Automotive
- Beverage
- Building Supplies
- Consumer Goods
- Contract Packaging
- Food
- Health & Beauty
- Material andling
- Printing & Publishing

Final layout may vary, ARBOT Model.

FEATURES

- 5-Axis 80kg (176lb) palletizing robot accommodates products up to approximately 100 lbs
- Dedicated robot controller
- A variety of gripper options for all types of packages
- 10' infeed conveyor with pneumatic product separation
- Automatic pallet dispenser, with 10 pallet magazine and drag chain discharge conveyor
- 60" pallet build station conveyor
- Integrated conveyorized turntable stretch wrapper (PAC-4R5 up to 45 loads/hour)
- 60" pallet discharge conveyor
- Allen-Bradley® CompactLogix™ PLC
- PanelView™ Plus 1000 - 10 inch color HMI
- Heavy duty construction with powder-coated finish

OPTIONS

- 50 kg, 100 kg, 160 kg, 300 kg, 500 kg or 800 kg 4/5 axis robots
- Vacuum plate, fork style or bag style gripper (custom designs also available)
- Layer sheets – gripper tooling and manually loaded sheet rack
- "Smart" counting style gated infeed conveyor (supports multiple products with no changeover)
- 2 in / 2 out configuration
- 3 in / 3 out configuration
- 4 in / 4 out configuration
- Full-line system integration