

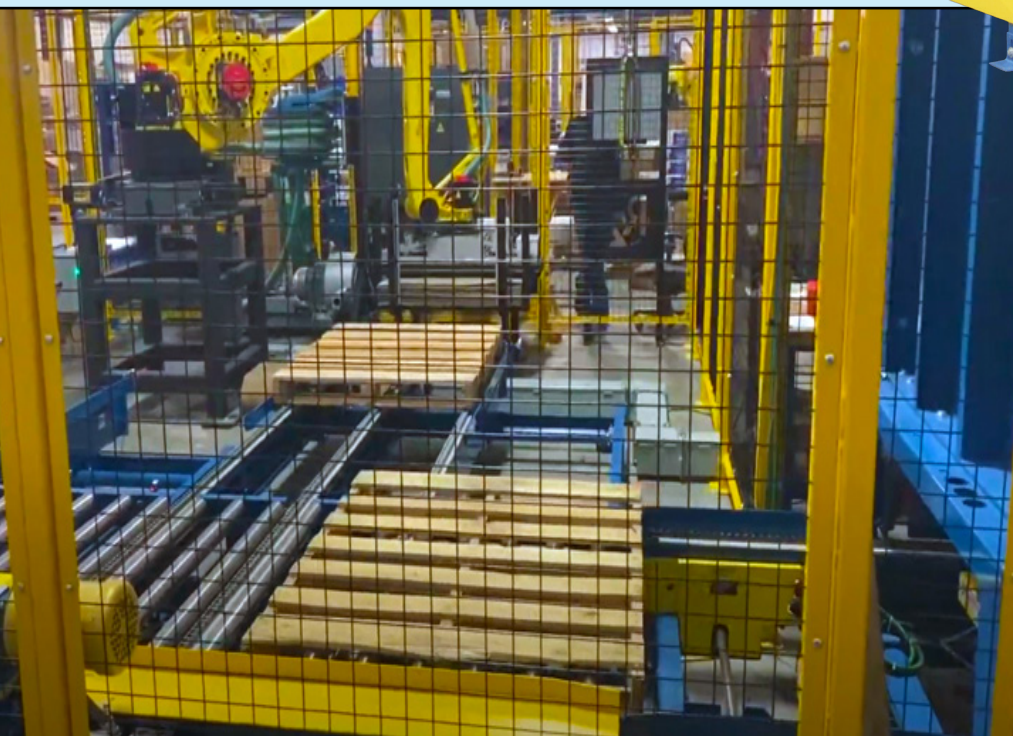
Havin' a Passion for Trashin'

About Us

Established in 1973, Alba Mfg. engineers and designs heavy-duty pallet handling conveyor systems.

Our systems consist of

- [Chain Driven Live Roller \(CDLR\)](#)
- [Zero Pressure Accumulation Conveyor](#)
- [Drag Chain Conveyor](#)
- [Gravity Roller Conveyor](#)
- [Lift and Rotate](#)
- [Pallet Stackers and Dispensers](#)
- [Turntables](#)
- [Chain Transfers](#)
- [Transfer Cars](#)



Address:

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Solution

Amid the COVID-19 crisis, the global market for Trash Bags estimated at \$9.6 Billion in the year 2020, is projected to grow upwards of \$13.3 Billion by 2027. It is thought that the increasing awareness and focus on hygiene has amplified the demand for trash bags globally.

Trash bags are widely used in the retail, manufacturing, and institutional industries. With different varieties for yard and kitchen waste alone, you'd be hard pressed to not find an assortment of trash bags in every American home today.

Joining in the effort to help Americans stash their trash, Alba partnered with [RZ Automation](#) to assist a trash bag manufacturer in automating a new pallet building line using a robotic palletizer. Alba's standard pallet dispenser was able

to fit the bill and provide a steady flow of pallets into the robot cell.

Able to release up to two empty pallets per minute, Alba's robustly designed pallet dispenser, accepts stacks of 15 pallets into the 7-gauge sheet steel lined, structural channel reinforced, pallet magazine. An ultra-sonic sensor ensures fork trucks are clear before allowing the dispenser to proceed with its cycle and discharge single pallets 90° from loading orientation.

Alba's standard fixed cycle control package was supplied, allowing pallets to automatically feed into RZ Automation's palletizing cell. Included in the controls package was a low pallet stack sensor, alerting operators via beacon light once the number of pallets in the magazine drops below five pallets.

Within the dispenser's base, steel pivot-style fingers pneumatically

actuate into the pallet's fork pockets, supporting the stack of pallets in the raised position while an interior lift table separates a single pallet and places it onto the discharge conveyor.

Pallets are conveyed out of the pallet magazine by Alba's sturdy two-strand drag chain conveyor with RC-80 chain running on UHMW wear strips. A photo eye positioned at the discharge end of the conveyor allows a single pallet to queue at the interface with the adjacent conveyors of the robotic palletizing cell.

Alba's pallet dispenser, offered with a 90° or 180° discharge orientation, is the perfect addition to any application where feeding pallets takes up valuable operational resources. This equipment's sturdy construction means the flow of pallets will continue well into the future.