



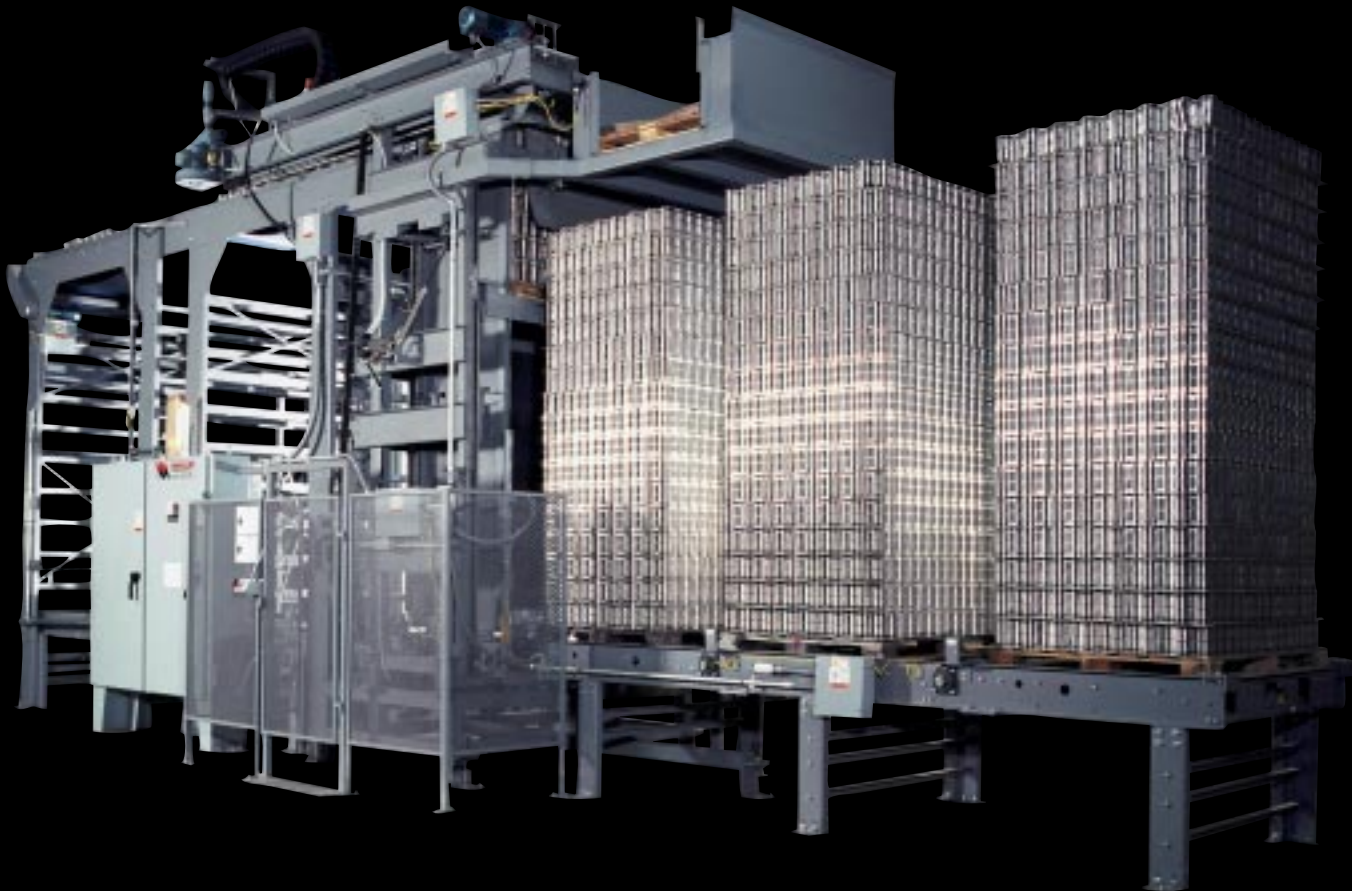
WHALLON
MACHINERY, INC.

MATERIAL HANDLING
EQUIPMENT

Bulk Depalletizer

Whallon bulk depalletizing systems are designed to move empty metal, glass or plastic containers from pallet to production line. Pallet loads of containers are indexed to a lift station where layers are swept from the stack to an accumulation table. From the accumulation table, containers are then transferred onto a tabletop conveyor where single filing occurs. Fully automatic machines are available and include divider sheet removal, indexing of full pallets, and empty pallet stacking. This allows the operator to unwrap bulk loads, inspect containers, or attend to other duties. The units can also be manufactured as semi-automatic machines.

Sensors and selectors switches are used to allow easy changeover for different container heights. Electric AC frequency controllers for conveyor motors are used to match belt speeds to container flow rates. Electric and pneumatic controls make for an easy to clean machine. Plastic belting, lube-free chain, sealed bearings, UHMW guides, and spring-loaded take-ups are used for minimal maintenance. All systems are PLC controlled with HMI stations available as touch screen or pushbutton.



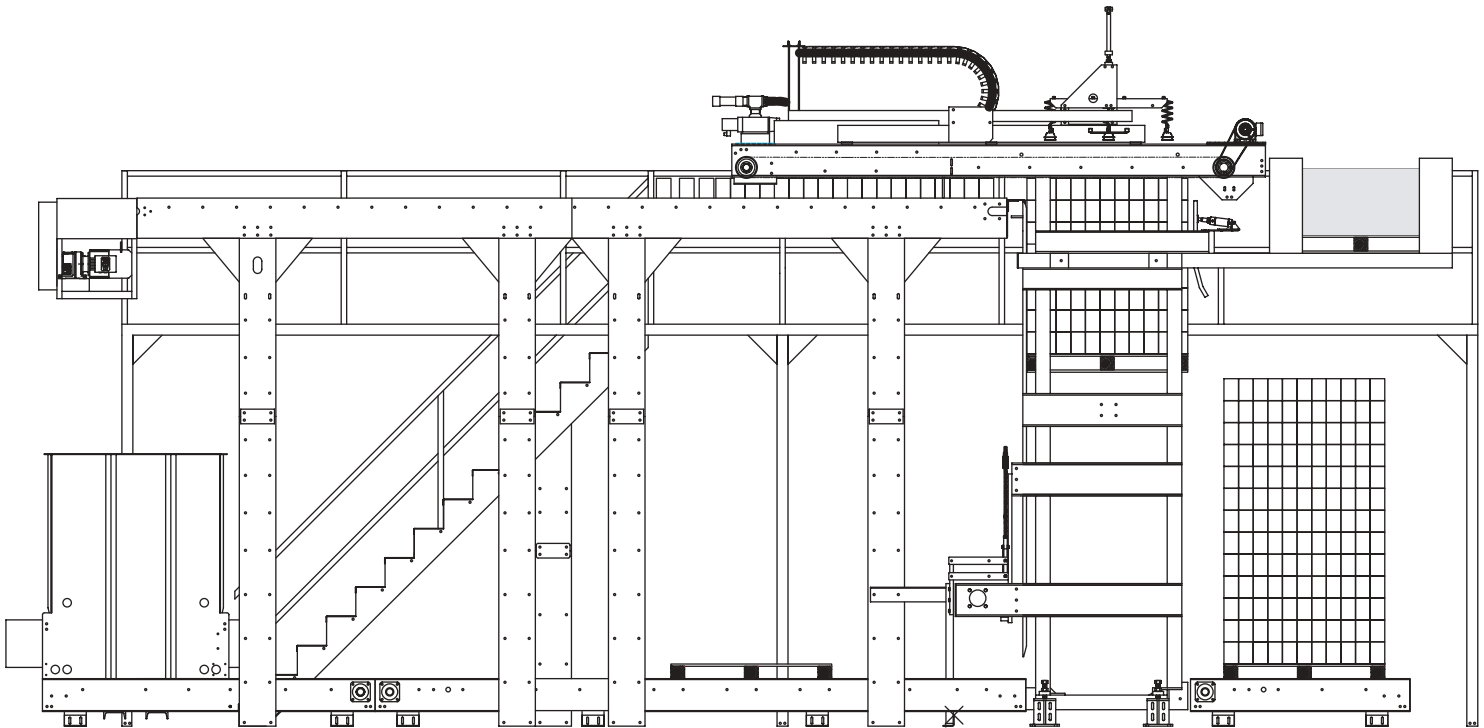
Certain safety features removed for photographic purposes.



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WHALLON MACHINERY, INC., P.O. Box 429
205 North Chicago Street, Royal Center, Indiana 46978-0429
574/643-9561 • Fax 574/643-9218
www.whallon.com

Bulk Depalletizer



Like all Whallon equipment, this machine is ruggedly built to depalletize continuous daily volumes of bulk cans, plastic or glass. Chain conveyors with frequency drives move loads smoothly into the lift station where they are positively located using air actuated pallet stops. Opposing side panels with air cylinders tilt inward to stabilize the load prior to depalletizing. Once the load is contained within the lift area, an electric motor raises the lift platform to the sweep area. The first layer is removed from the pallet using a sweep mechanism which operates from a brake motor and frequency drive. During the layer sweep, the tier sheet is clamped in place by air cylinders. Once the layer is swept onto the accumulation table, the tier sheet clamps release and the sheet is removed and stacked in a storage bin. The lift will raise the load to repeat the cycle until the pallet is emptied. The lift lowers and the empty pallet is conveyed out of the lift station to a pallet stacker which will typically hold 8 pallets.

A full range of models can be custom built to handle the customer's particular pallet size, pallet orientation, load height, accumulation table height, and degree of automation needed. Installation and start-up assistance are available as well as telephone support for the life of the equipment.

