



## ELEVATE YOUR STANDARDS

### Modular • Flexible • Safe

Wildeck's Automated Tote Lift is a flexible and cost effective solution to increase the efficient vertical transfer of your goods. The Lift easily integrates into your conveyor system and features a modular design that delivers safe, reliable functionality.

Whether it is a small mezzanine loading system with several "queue" sections, or a full blown conveyor system that needs loads moved up and out of the way – the Wildeck Automated Tote Lift is an ideal solution for your vertical movement needs.

- ▶ **Modular Design for Fast, Easy Installation**
  - ✓ "Stack & Bolt" installation
  - ✓ Pre-wired with "Plug & Play" electrical connections
- ▶ **Safe, Integrated Full Height Perimeter Guarding**
- ▶ **Reliable Reciprocating Design**
- ▶ **Counterweight System**
  - ✓ Allows for higher speeds
  - ✓ Soft starts and stops
  - ✓ Expensive hoisting drives typically not required



LIFTING

**AUTOMATED TOTE LIFT**

# GENERAL SPECIFICATIONS

**DESIGNED & MANUFACTURED** to meet ANSI/ASME – B20.1 “Safety Standard for Conveyors.”

**LIFTING CAPACITY:** 50 – 75 lbs.

**LOAD SIZES:** Up to 2'-6" wide by 3'-0" long by 3'-0" tall.

**CARRIAGE PLATFORM:** An open framing system supporting the carriage conveyor section.

**LOAD PATTERNS:** “C” or “Z” load patterns.

**LIFTING SPEEDS:** 40 – 110 fpm.

**LIFT STRUCTURE:** The carriage will be guided between four (4) structural tube steel members that also act as the frame of the perimeter safety enclosure system.

**FOOTPRINT:** Approximately 3'-0" wide by 4'-0" long, not including control panels or in-feed and discharge conveyor sections.

**PERIMETER GUARDING:** Full height guarding is integral to the VRC system and is a combination of sheet metal and flattened expanded metal.

**GATES:** Not applicable. Tunnels, at the in-feed and discharge positions, can be included.

**ACCESS DOOR:** An interlocked access door for cleaning and maintenance is located at the lower level. The door can only be opened when the carriage is located at the lower level.

**LEVELS:** The unit will access the lower level and one (1) stop above ground. Additional levels with stops may be available as an option.

**TOP LIFTING HEIGHT:** Application specific. Consult factory.

**FLOOR LEVEL LIMIT SWITCHES:** Will control upward and downward travel, and are actuated by the carriage unit.

**MOTOR, DRIVE-TRAIN:** 3 phase/ TEFC brakemotors, with a fast acting, spring set electrical brake. A helical gear reducer will transfer power through a common drive shaft, sprockets and dual roller lifting chains.

**ELECTRICAL:** The Wildeck Automated Tote Lift is partially pre-wired to reduce installation time and cost.

The main UL Listed control panel is located at the upper level of the unit and is integrated into the machine. The standard unit is rated NEMA 1 and is labeled UL-508A.

## CONTROLS / LOGIC:

- ▶ One-way operation is standard.
- ▶ The VRC control system will control (1) VRC carriage, carriage conveyor, in-feed conveyor, and discharge conveyor.
- ▶ Overall system logic is by others.
- ▶ The VRC will respond to dry contact closures from the customer's master control panel, such as:
  1. Signals from System Control Panel (*Master Panel by customer*)
    - No 'E'-Stop, OK to Run
    - Ready to Load / Run In-feed
  2. Signals from Wildeck Motor Control Panel
    - System Ready
    - Waiting to Load

**HORIZONTAL CONVEYORS:** The system includes one section of in-feed conveyor, one section of carriage mounted conveyor, and one section of discharge conveyor. Conveyors are powered roller type.

**CONVEYOR SPEEDS:** 30 – 110 fpm. Energy saving system shuts off horizontal conveyors when not in use.

**COLOR:** Wildeck fabricated materials are painted with one coat of a two-part polyurethane and/or a one-part epoxy ester. The standard color is Wildeck Gray. Purchased components are painted as per the vendors' standard product. The VRC carriage and conveyor framing are painted Wildeck Gray.

**DRAWINGS, MANUALS, ETC:** Standard approval drawings are provided after receipt of purchase order and prior to manufacture. Installation drawings as well as an Installation, Owners & Maintenance Manual will be provided.

**SHIPMENT:** Automated Tote Lifts are typically shipped in a closed van (LTL – Common Carrier, other shipping options available). A loading dock is required.



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