



## VHL VERTICAL HAND-LOAD CARTONER



### *Rugged Construction Meets Your Vertical End Load Cartoning Needs*

The VHL Vertical Hand-Load cartoning machine is the answer for those hard to load products that require the carton to be in a vertical orientation for loading. The VHL is a continuous motion machine with the operator controlling the carton supply with timed vacuum control. The machine erects and closes the bottom of the carton prior to the hand-load area (3' of hand-load area on both sides of the machine). After loading, the top of the carton is closed and then discharged from the machine.

The VHL addresses today's evolving safety and ergonomic concerns. Electrically interlocked barrier guarding and main drive overload detent clutch protect the operator from injury. Our new lower hand-load stations accommodate seated or standing operator positions. Additionally, the low hand-load table height can accommodate a customer-supplied product supply conveyor above the hand-load area to increase product loading efficiency and reduce ergonomic concerns.

Standard machine features include: rugged 3/16" (5mm) formed steel powder coated framework with

adjustable leveling feet and castors for portability, 2HP AC variable frequency drive system, stainless steel shafts, 2-head rotary carton feeder, 4' horizontal powered carton hopper, and machine adjustability in all three dimensions.

Options to enhance speed and productivity include: 3 or 4-head rotary carton feeders, extended carton hopper lengths, extended hand-load area lengths, and an ADCO deboss date/batch coder. Closing options include: pressurized hot melt glue, hot air sealing, and/or tablock tuck closing plows. For harsh environmental conditions we offer washdown construction, which consists of a stainless steel frame, hard anodized aluminum, and NEMA 4x (IP66) electricals. Automatic lubrication systems are also available. Special options are available to further extend the standard carton size range.

The VHL is capable of machine speeds up to 125 cartons per minute, depending on carton structure, design, the products to be loaded, and operator dexterity.

# FEATURES / SPECIFICATIONS

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### STANDARD FEATURES:

- Continuous motion
- Main drive overload detent clutch for safety
- 2-head rotary feeder with 4' (1220mm) free standing horizontal powered carton hopper
- 2HP variable frequency drive system
- Barrier guarding - electrically interlocked
- NEMA 12 (IP55) electrical enclosures
- Line shaft drive with right angle gear boxes
- Jog cord with pushbutton
- 230v/3ph/60hz electrics
- Zinc plated cold rolled steel parts
- 14' (4270mm) long mild steel frame with powder coat paint
- 3' (915mm) of hand-load area on each side of machine
- 38"  $\pm$  2" (965  $\pm$  50mm) carton top to floor height
- Casters for portability and leveling feet

### SEALING OPTIONS:

- Pressurized hot glue system with a programmable timer and temperature setback
- Tuck closing plows with crank drive
- Heat seal system with water cooled belt compression and guide rails

### OPTIONS:

- ADCO deboss coder on top major inside flap with 3/16" (5mm) type code wheel
- Group lubrication (cluster)
- Lubromatic auto oil lube system with timer
- Washdown construction with NEMA 4x (IP66) electrical enclosures
- Extended horizontal powered carton hoppers
- Fixed size, 3-sided flight buckets
- Digital readouts for size changes
- Low carton hopper warning light
- Overhead beam operator control panel mounting
- Allen Bradley PLC control system with touch screen
- European Model with CE certification and soft metric construction



The VHL features the versatile ADCO rotary carton feeder and horizontal powered carton hopper to accommodate a wide variety of vertical end-load carton designs.

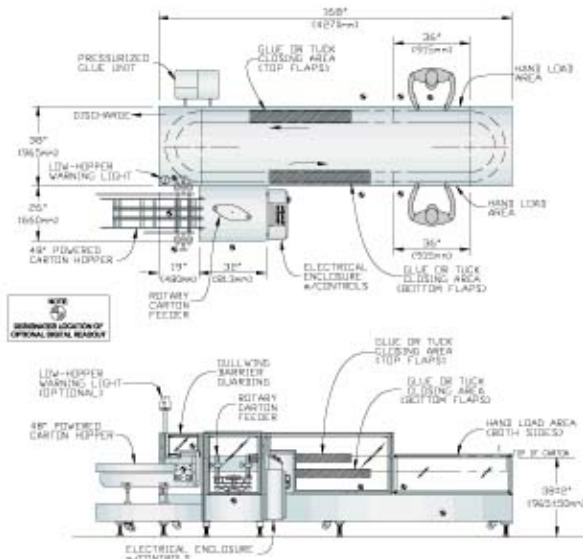
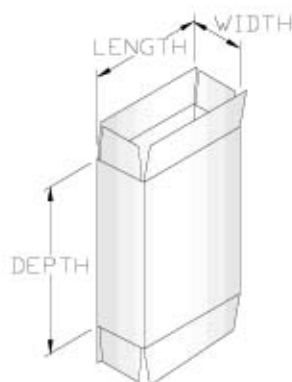


The standard 6' (1830mm) long hand-load area can be extended by ordering optional extensions that are available in 2' (610mm) increments.

Features and specifications may differ from model shown.

### STANDARD CARTON SIZE RANGE:

	Minimum	Maximum
Length of opening	2" (50mm)	9½" (240mm)
Width of opening	¾" (20mm)	3" (75mm)
Carton depth	4" (100mm)	10" (255mm)

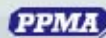


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