HD-CXENVL-CNV
Variable Speed Sequencing Conveyor
with adjustable height stand

Assembly and Operations Guide

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Assembly Instructions:

1. Carefully remove conveyor and stand components from shipping carton.
2. Lay conveyor upside-down, on floor or table, on top of cardboard or paper to prevent scratching.

3. Using a 1/8” allen wrench remove the eight ¾” long button head screws and lock washers used to hold stand legs in place.

4. Using the ¾” button head screws and lock washers, attach the stand leg with the flat feet to the wedge shaped end of the conveyor with the locking levers facing the side with the power plug as shown.

5. Attach the stand leg with the casters to the other end of the conveyor as shown.
6. Using a 5/32” allen wrench, remove the four ½” long button head screws and lock washers from the stand legs on the opposite side of the locking levers.

7. Using the 1/2” long button head screws and lock washers, attach the cross bar to the stand legs. After complete assembly, tighten all bolts completely.

8. Carefully flip conveyor over and stand upright.

9. Loosen the locking levers on both stand legs to adjust the conveyor height. It is generally easier to adjust one end at a time and lock in place while adjusting the other end.
Preparing the HD-CX1600/1700 (C9x1) Printer

**NOTICE:** The wide range of options available for the HD-CX1600/1700 (C9x1) printers allows them to be setup in a number of different configurations. However, only the configurations shown in the Optional Hardware section of this manual are compatible with the height adjustment range of both the HD-CXENVL-FDR (feeder) and HD-CXENVL-CNV (conveyor). Please be sure to verify that your printer configuration is compatible before you proceed.

When using the HD-CXENVL-CNV with the HD-CX series printers, there are two different methods of preparing the printer for media to eject from the printer onto the conveyor.

- Using the “pass-thru slot” in the Face-up Stacker Door. Looks better, but requires the removal of the door flag and short envelopes may not drop consistently from the printer onto the conveyor.
- Removing the “Face-up Stacker Door” from the printer. Short envelopes will move more smoothly and consistently, from the printer onto the conveyor, with this door removed.

**To use the “pass-thru slot”, in the Face-up Stacker Door**

The Face-up Stacker Door is equipped with a small rectangular door (pass-thru slot), in the middle of the Face-up Stacker Door; as shown in the picture above. The “pass-thru slot” can be opened, allowing the envelopes to exit the printer and land on the conveyor, without the need to open the Face-up Stacker.

1. Open the large Face-up Stacker Door on the left side of the printer.
2. Open the small door attached to the Face-up Stacker Door. Swing the door all the way over and snap it into place to hold it open as shown below.

3. Remove the Door Flag.
   The Face-up Stacker Door is equipped with a small protruding plastic tab (flag) on the left side of the door. When the door is closed, this flag triggers a sensor in the printer which will tell the printer to eject the media into the Face-down Stacker (on top of printer), rather than out the side onto the Face-up Stacker.

   **IMPORTANT:** If you intend to use the printer and conveyor with the Face-up Stacker Door closed and the envelopes exiting through the “pass-thru slot”, as shown at the top of the previous page, then you will need to cut the “door flag” off the Face-up Stacker. Before you do this; please be sure to read and understand the NOTICE below.

   **NOTICE:** Removing the “door flag” will change the printer’s automatic control over Face-up or Face-down stacking; provided by this flag. Once this flag is removed you will need to be sure you designate the media to exit face-up or face-down in your driver settings (Job Options, Output Bin: Stacker (Face-down) or Stacker (Face-up)).

   If the driver is set to “Output Bin: Stacker (Face-up)” and the “pass-thru slot” and Face-up Stacker are closed; the media will crash into the Face-up Stacker Door as it tries to exit the printer.

   The picture below shows the location of this flag with the Face-up Stacker Door open.
4. After removing the Door Flag, close the Face-up Stacker Door on the printer.

5. Position the HD-CXENVL-CNV conveyor against the printer and set the conveyor stand height so that the top of the conveyor is just below the rectangular opening of the “pass-thru slot”.
**To use with the Face-up Stacker Door removed**

Small envelopes will move more smoothly and consistently from the printer onto the conveyor if the printer’s “Face-up Stacker Door” is removed completely; since this allows the conveyor to be moved closer to the exit rollers on the printer.

1. **Open the Face-up Stacker Door**

2. **Lift the door slightly to position the round stud on the lower plastic hanger section at the top of the slot in the upper plastic hanger section so you can separate the two sections**

3. **Separate the upper and lower hanger sections by pulling the lower section outward. Repeat this for the other side of the door**
4. On the rear hinge post; carefully remove the small white plastic retaining ring from the hinge post. Save for possible future use; if you decide to reinstall the Face-Up Stacker Door.

**NOTE:** The retaining ring may be located at the left or right hinge post.

5. On the right side of the door (front), carefully pry the thin metal plate off of the end of the plastic hinge post of the Face-up Stacker Door using a flat blade screwdriver. This will release this end of the door from the printer.

6. Carefully pull the right (front) end of the Face-up Stacker Door out away from the printer and slide the left side hinge post out of the metal plate on that side to remove the door. Keep the Face-up Stacker Door in a safe place, for possible future use.

**Tip:** If you partially close the door; you will find that it releases easier from the left hinge point.

7. Position the HD-CXENVL-CN alongside the printer and set the height so that the bottom of the conveyor is **just above** the horizontal metal plate on the printer as shown below.

**CAUTION:** Ensure that the top of the conveyor does not interfere with the small plastic fingers hanging down between the gray exit rollers of the printer!
Conveyor Controls

The HD-CXENVL-CNV conveyor features a document detect photo eye on the input end to detect envelopes or other documents as they leave the host machine. This photo eye will instruct the conveyor to run only when the printer is ejecting documents. With this method, a consistent shingle (overlap of media) with no gaps between envelopes can be achieved on the conveyor.

**Mode Switch: Continuous Run or Sequencing**

The conveyor also features a “continuous run” switch on the back plate. When in the down position, this switch causes the conveyor to run continuously and disables the paper detect photo eye. When using longer documents or documents that the photo eye has trouble detecting, continuous run mode can help.

**Power Switch and Speed Control**

Works in continuous or sequencing mode.
Specifications

Dimensions: 42” Length x 14” Width (including protruding components; excluding stand). 12” wide deck.
Boxed Weight: ~50 lbs (including stand)
Electrical: 120/230 VAC, 2 Amp
Fuse: 2 Amp (located in the fuse holder on the back plate)

NOTICE:
The HD-CXENVL-CNV Conveyor is designed to transport lightweight paper materials such as envelopes, postcards and other documents away from printing equipment.
Using the HD-CXENVL-CNV for heavy materials is not recommended.
When using heavy gloss stock, do not allow excess material to build up on conveyor as the weight could cause drag on the conveyor belts.

Operator Maintenance

CAUTION! Unplug power cord before cleaning.
• Clean dust from the conveyor; using a soft dry cloth, soft brush or vacuum.
• Wipe the photo eye (sensor) clean; using a soft dry cloth.
• Use a mild household cleaner to clean the conveyor body and belts.

DO NOT USE ALCOHOL TO CLEAN THE BELTS!
Optional Hardware

**NOTICE**: The wide range of options available for the HD-CX1600/1700 printers allows them to be setup in a number of different configurations. However, only the configurations shown on this page are compatible with the height adjustment range of both the HD-CXENVL-FDR (feeder) and HD-CXENVL-CNV (conveyor).

HD-CXENVL-CNV (conveyor) with HD-CX1600/1700 (printer) on HD-CX-3IN1 (paper tray with casters) & HD-CXENVL-FDR (feeder)

**NOTE**: The feeder and conveyor, shown above, can be purchased as a kit. Order Part # HD-CXENVL (Envelope Printing Kit); which includes the HD-CXENVL-FDR (feeder) & HD-CXENVL-CNV (conveyor).

HD-CX1600/1700 (printer) on HD-CX-CSTR (printer cabinet with casters)