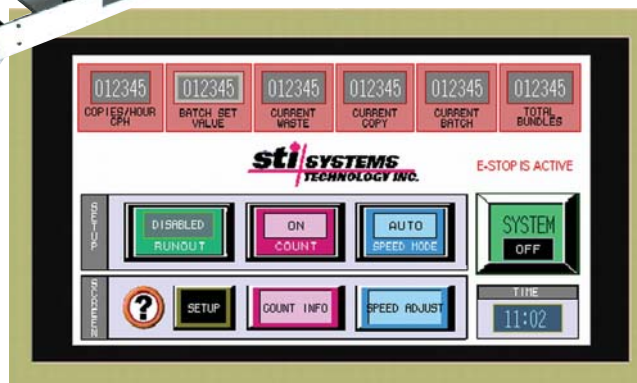
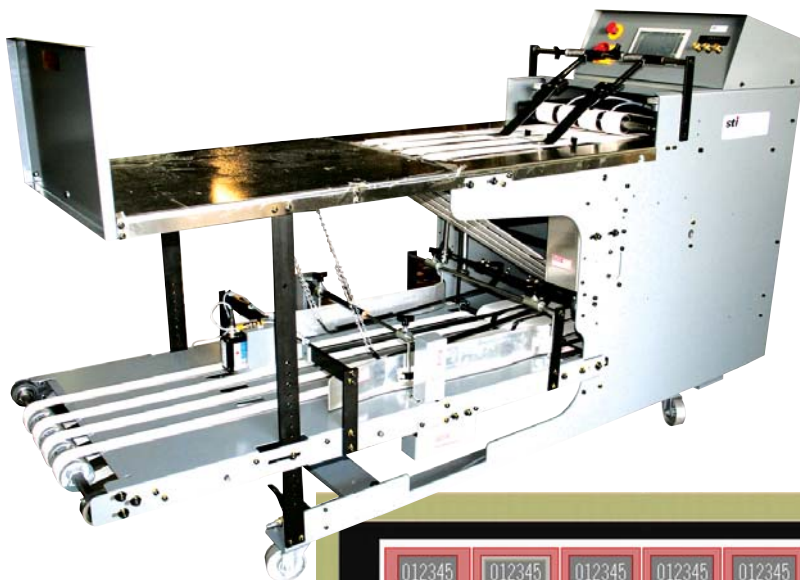


## New! Model 300 / 300LX Count-O-Veyor

### Featured Benefits

- Fast and easy make-ready adjustments
- Counts can be made on demand
- Simple, reliable operation
- Increases productivity in any size operation
- Accepts folded or open edge leading
- Dual action patter jogger
- Uses highly accurate electronic counting system
- Exact counts through full speed range on the Model 300LX
- User-friendly Operator Interface Panel
- AC inverter drive speeds set-up time and improves reliability



Touchscreen Operator Interface

Systems Technology Inc. Count-O-Veyor counter stackers are designed for small-to-medium-size daily and weekly newspapers, as well as preprint, shopper and insert printers. Its simple operation and economical price make it ideal for the smallest short run publication or the largest high-speed, three-shift commercial printer. It is designed to give newspapers and commercial insert printers more accuracy and reliability than previously possible.

The Count-O-Veyor is ruggedly built for long life in a continuous duty operation. Press-to-press portability is made possible by the use of heavy-duty casters and lockdowns. Automatic press speed synchronization requires no mechanical connection to the press. Easily adjusted accepting conveyor height, and quick disconnect air and power supplies also enhance portability. Make-ready adjustments are fast and easy, including simple adjustments for virtually any counts on demand.

The drive system features an extremely reliable AC inverter rated motor control, coupled with a rugged one-horsepower AC motor. The system, when run in automatic mode, allows the Count-O-Veyor to follow press speed from a dead stop to full speed without hesitation. Manual mode operation allows operators to control speed when desired, or for selecting the "end-of-run" operation.

The proven industrial-grade, state-of-the-art programmable logic controller (PLC) eliminates the problem of custom boards going bad, and ensures even greater reliability. Batch count and total count are easily viewed on the front panel. Since the count input is independent of press speed, the machine may be trimmed to run at the shingle spacing that provides optimum stack quality.

The **Model 300** and **300LX**(Laser-eXact) feature an "air-less" design, including electromechanical clutches and hardened cams. There are no air valves or cylinders to fail. In fact, the entire mechanism has been simplified for steady, trouble-free performance day in and day out.

The **Model 300** may be upgraded to an exact count **Model 300LX** by STI Service. The **LX** retrofit kit includes a laser count sensor, special cables, mounting kit, wiring changes, guarding, and critical software changes for both the PLC and the Operator Interface Panel (OIP).

### Systems Technology Inc.

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# Models 300 and 300LX Count-O-Veyor

## TECHNICAL SPECIFICATIONS

**Count System Model 300/300LX:** Minimum stackable count is 15 copies.

**Model 300LX:** Exact electronic count of every paper. System components include laser copy count (**300LX**), folder mounted proximity sensor (**300**), programmable logic controller, front interface panel with display of total current count, previous total, total bundle count, copies per hour, current waste and previous waste counts.

**Drive Model 300/300LX:** 1HP inverter duty rated motor and drive.

**Electrical** 115 VAC 50/60Hz, 1ph, 16A or

**Requirements** 230VAC, 50/60Hz, 1ph, 8A  
Optional alternate power supplies available.

**Speed** Up to 60,000PPH

Newspaper Publications	Commercial Publications
Max. 48-pg. broadsheet	Max. 96-pg. 1/2 fold
Max. 24-pg. broadsheet, 1/4 folded	Max. 48-pg. 1/4 folded
Max. 96-pg. tabloid	Max. 96-pg. tabloid
Max. 48-pg. tabloid, 1/4 folded	

**Product Orientation** Folded or open edge leading

**Signature Size:**

**Minimum delivered length** 5-1/2" (140mm)

**Maximum delivered length** 12-1/2" (318mm)

**Minimum width** 5-1/2" (140mm)

**Maximum width** 18" (457mm)

**Use of Compressed Air** Air ejectors are standard equipment which may be used to provide an air cushion under the stack of signatures to assist in directing the succeeding signatures to the bottom of the stack.

Air Supply:

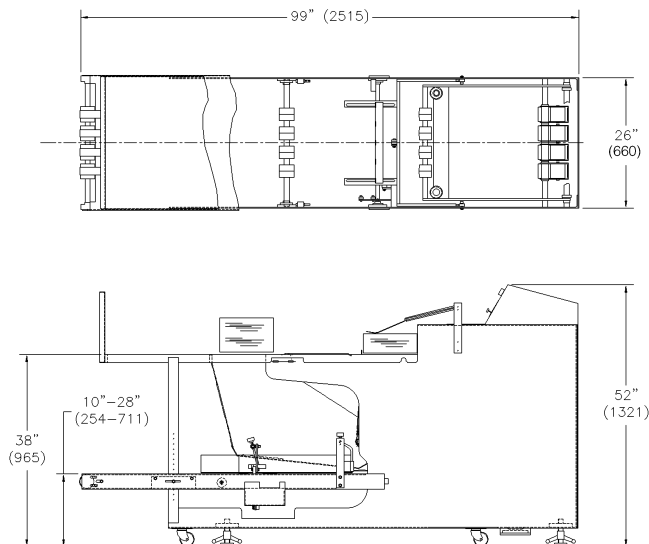
9 CFM, 40 PSI

(.255 Norm L/min, 2.7bar)

**Accepting Conveyor Height** 10" to 28" (254mm to 712mm)

**Shipping Weight** 1480 lbs. (673 Kg.)

**Shipping Dimensions** 39"W x 108"L x 66"H  
(990mm x 2743mm x 1676mm)



**Batch Count Accuracy**

<b>300</b>	<b>300LX</b>
±1	Exact

The **Model 300** count accuracy requires a steady state signature stream delivery from the press.

The **Model 300LX** count accuracy is less subject to stream variations.

A 2-1/2 inch shingle is recommended for accurate count at higher speeds on both models.

**Count Accuracy**

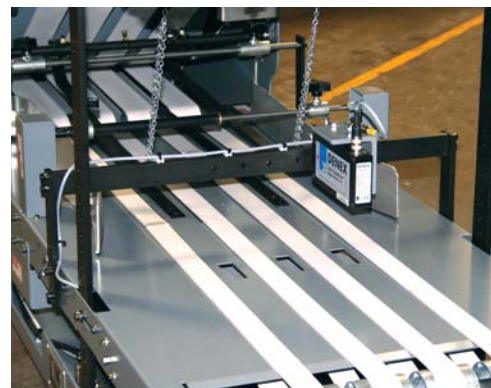
The **Model 300** count system uses a proximity sensor mounted in the folder, which senses revolutions per signature drop. The **Model 300LX** uses a highly accurate laser signature sensing system that gives precise information on the number of signatures being stacked. Copies pulled from the press stream, or variations in "shingle" do not impact accuracy, provided there are no over or under laps in the signature stream.

Both the **Model 300** and **300LX** have enhanced operational features that include an auto mode stacker run out, waste tracking, and enhanced help function.

The Systems Technology Inc. Count-O-Veyor line works on the "understacking" principle. It accepts the papers from the press delivery, and jogs them into proper alignment. The shingled stream is then inverted as it is turned 180 degrees around the main drum. When the inverted stream strikes the upper stops, the stack builds vertically, with each successive paper pushing the preceding papers up in the stack.

When the count reaches the preset stack count, a gap is made in the incoming stream with an electromechanical single revolutionary clutch that activates the cam driving the lower stop mechanical linkage. The gap that is created is then "tracked" up to the upper stops which are activated by the same type of clutch and cam assembly, which is then released in time to deliver the stack. On both models, stack count presets are input at the front panel, and total count, as well as batch count, are clearly displayed on the Operator Interface Panel.

The **Model 300LX** includes state-of-the-art PLC along with the Operator Interface Panel similar to the **Model 300**. The **Model 300LX** includes the laser and more advanced software for exact calculations of counts, batches, and copies per hour, as shown in photo below.



Laser counter shown on Model 300LX

Systems Technology Inc. reserves the right to change specifications without notice.  
This equipment covered by U.S. and Foreign Patents, and Patents applied for.

**sti**  
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