



## INJECTION MOLDING AUTOMATED BOX FILL SYSTEM



*Versatility, efficiency and intelligence in one smart design that does the math for you.*

The Injection Molding Automated Box Fill System by System Technology, Inc. is comprised of two individual conveyor systems (incline and transfer), a microprocessor base control panel and non-pneumatic, electric motor that all come together to create a complete fill system that works harder... and smarter. This hassle-free design reduces labor, eliminates costly manual calculation errors and can even run lights out operation.

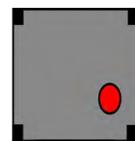
The system works with an interlock interface that detects each time the molder opens and closes. Parts are dropped onto the incline conveyor then transported up the incline and into the waiting box. The system calculates and counts the number of shots required to reach the desired box fill count. On the last shot, a signal is sent to halt the incline conveyor as the filled box is pushed out of the load zone to the return conveyor and a new box is moved into fill position which signals the incline conveyor to

resume. The box transfer process takes mere seconds allowing the molder operations to continue without ceasing.

The user-friendly HMI interface offers complete operating system control, and is easy to operate. Simply enter the number of molded parts per shot and the number of parts per box, and the system does the rest! Incline speeds can be easily adjusted to allow for necessary cooling between shot and box fill.

### System Features & Highlights

- Fully Automated Box Fill System
- Lights Out Operation
- Microprocessor Controls That Do All the Math!
- System Tracks and Stores Total Parts and Case Fill Counts
- 100% Electric, Non-Pneumatic Motor



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Models  
**MPBL-I/CF65124**  
BOX FILL  
SYSTEM

## Horizontal to Incline Belt Conveyor



Top View

Side View



- Customized Width & Length
- Mild Steel Powder Coated Gray with Modular Plastic, Cleated Belting
- Variable Speed Control
- Adjustable Height & Incline
- Guardrails for Small Parts Control During Conveying
- Portable with 110 Volt Cord & Plug
- Stand Alone Unit Can Be Utilized for Other Processes

### Machine Specifications

	HEIGHT	FOOTPRINT	PRODUCT SIZES	FEET/MINUTE
<b>MPBL-I</b>	1=7" D=48"*	16"x108"	Varies	10 FPM**
* Standard Height Listed - Adjustable				
** Variable Speed				

## Case Transfer Conveyor

### Machine Specifications

	HEIGHT	FOOTPRINT	CASE SIZES	CASE/MINUTE
<b>CF65124</b>	20"	65" x 124"	Varies	Varies
• Intelligent System				
• HMI Interface with Complete Operating System Control				



### COMPLETE SYSTEM UTILITY

Electrical:  
110v  
15 Amp Service  
Shipping Weight:  
1,000 lbs.

### Standard Complete System Features:

- Portable, Two-Piece System with Stand Alone Incline Conveyor for Independent Use
- Non-Pneumatic - 100% Electric
- Energy Efficient - 71% Energy Savings over Traditional 480v System
- Easily Programmed to Configure Final Piece Count
- Mold Machine Interface with Easy Set-Up

### Optional System/Upgrade Features:

- Count by Weight Fill Option
- Extended Gravity Conveyor for Increased Case Storage Option
- Voltage Upgrade to 220v
- Multiple Line Integration from One Common HMI Interface
- Box Erector for Multiple Lines
- Integration into Complete Packaging Line