

Pharmaceuticals • Nutraceuticals  
Cosmetics • Consumer Goods  
Diagnostics • Medical Devices



## Features

- Very Compact Footprint
- Adjustable Pitch for Wide Cartons
- Tuck Flap Closure (Std)
- Hot-melt Glue Closure (Option)
- Fully Interlocked Polycarbonate PLd-rated Safety Guarding
- Servo Driven Adjustable Main Drive & Balcony Design
- Servo Driven Carton Pick Up
- Carton Opening & Squaring w/ Pre-Break
- Standard or 5th Panel Cartons
- Fast Changeover
- Up to 60-150 Cartons Per Min.



ESS Technologies, Inc.  
3160 State Street  
Blacksburg, VA 24060  
(540) 961-5716 • (540) 961-5721  
info@esstechnologies.com  
www.esstechnologies.com

# SC Series Automatic Horizontal Cartoners

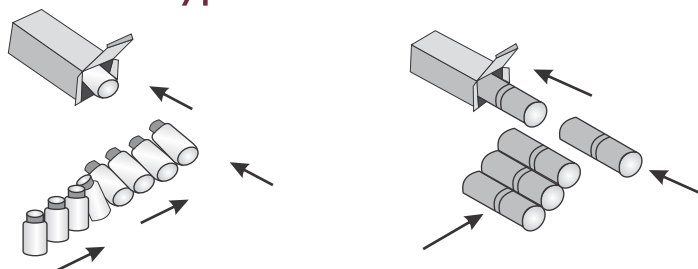


## Now with Track & Trace Serialization

The SC Series servo driven intermittent or continuous motion horizontal cartoning machines handle pre-glued cartons with straight or reverse tuck-in closure. The machines also accommodate a glue application group and automatic product feeding systems. The SC Series is servo driven and incorporates stainless steel skirting on the base with a balcony design. ESS also offers a mechanically driven model, the MC60, which may be more cost-effective in certain applications.

All mechanical movements are mounted with self-lubricating bushings and bearings. The machines offer simple and quick size changeover using digital indicators located with the adjusting points. The "balcony construction" guarantees complete accessibility to all areas and easy cleaning. The SC cartoners use Allen-Bradley CompactLogix® control platform and come standard with the Allen-Bradley PanelView 600 Plus touch screen HMI. ESS integrates the SC Series with off-the-shelf serialization systems to create a track and trace cartoner. The SC Series is ideal for pharmaceutical, cosmetic, nutraceutical, consumer goods, and medical device packaging lines.

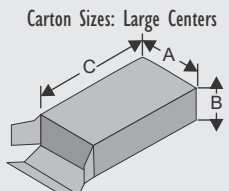
## Typical Product Flow



# Technical Specifications

Model	SC60*	SC100	SC150			
Speed	Up to 60 cartons per minute	Up to 80 cartons per minute	Up to 150 cartons per minute			
Motion	Intermittent	Continuous	Continuous			
Changeover Time	10-15 minutes typical (all dimensions change)	10-15 minutes typical (all dimensions change)	10-15 minutes typical (all dimensions change)			
Standard Voltage	480V, 3-Phase, 60Hz	480V, 3-Phase, 60Hz	480V, 3-Phase, 60Hz			
Power Consumption	1.96kW (tuck-in) 3.9kW (glue)	1.96kW (tuck-in) 3.9kW (glue)	1.96kW (tuck-in) 3.9kW (glue)			
Compressed Air Consumption	5-7 SCFM	5-7 SCFM	5-7 SCFM			
Machine Footprint	5' 5" x 7' (3480mm x 2134mm)	12' 4-1/2" x 7'1" (3772mm x 2150mm)	8' x 6'11" (2440mm x 2130mm)			
Carton Magazine Length	One Meter	One Meter	One Meter			
Carton Sizes: Small Centers	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>
	A	15	130	A	15	60
	B	15	100	B	15	50
Carton Sizes: Large Centers	C	50	200	C	50	100
	A	80	250			
	B	60	150			
	C	130	300			

\*ESS also offers a model MC60 mechanically driven cartoner. Contact ESS for more information.



# Options

- Inserter for pre-folded leaflets
- Embossing, inkjet or laser coding
- Code reader and verification for leaflets, carton blanks or filled cartons
- Automatic infeed systems for bottles, jars, blisters, tubes, vials, etc.
- Integrated robotic loading system
- Hot-melt glue closure unit
- Carton ejection of incomplete cartons
- Extension for infeed conveyors
- Integrates with OEM Serialization Track & Trace Systems



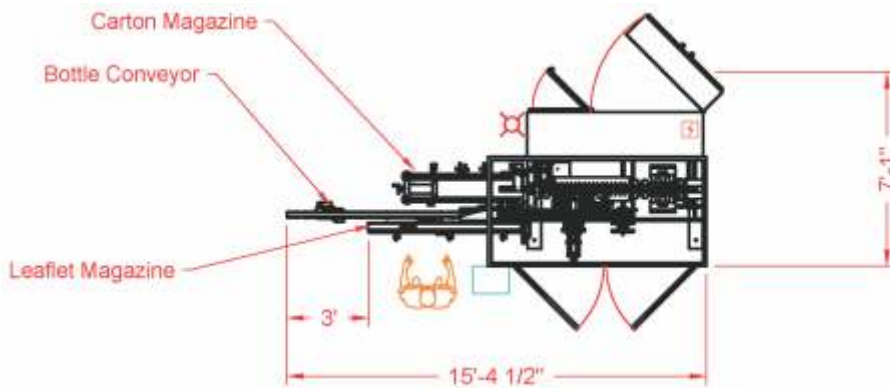
One Meter Carton Magazine  
(Extensions Available)



Optional Robotic Infeed System



Integrated Serialization System



Typical SC100 Layout

ESS Technologies, Inc.  
3160 State Street  
Blacksburg, VA 24060  
(540) 961-5716 • (540) 961-5721  
info@esstechnologies.com  
www.esstechnologies.com



**ESS**  
Technologies, Inc.   
Packaging Machine Design & Integration

