

## Automatic Inline Infeed and Vertical Collator

Safe

Versatile

Easy to use

Economical



Autopack SIV with welding bar is a medium speed Bundle Shrink Wrapper designed to handle stackable product and rectangular shaped containers ranging from small pharmaceutical cartons to 4 L ice cream tubs. The machine can collate single or multi-stack packs. It is available in single track configuration only.

Inline infeed



Vertical collator



90 degree or Inline outfeed



### The Autopack Package :Faster - Smaller - Better Pack - Less Energy

#### Standard Features

- Quick & Easy changeover
- Stainless steel construction
- Speed up to 28 ppm
- Line Control and Communication
- Integrated Control & User friendly HMI
- Better shrink through more efficient air circulation

#### Optional Features

- Printed film registration device
- Tear strip perforation device



Autopack designers pay particular attention to specifying materials and finishes that are durable, do not affect the packaged product and remain serviceable for a long time.

Explore Shrink Wrapping and our range of Machines at  
[www.autopack.com](http://www.autopack.com)



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### Operation

● Once the product leaves the carton machine, it is then transported into the Autopack wrapping unit, by means of an inline conveyor. Here, the cartons accumulate until a full layer is counted, then the layer is elevated to the table level where it is supported by suitable latches. The process is repeated until selected number of layers reached.

● This activates horizontal pusher which transfers the collation behind the welding bar where it undergoes the sleeve wrapping operation. The pusher returns to allow for next collation to be prepared.

● As the welding bar ascends the new collation is transferred into the welding position, at the same time displacing the previously wrapped collation onto continuously moving shrink tunnel conveyor.

● The wrapped collation soon enters the shrink tunnel chamber where recirculated hot air causes the wrap to shrink, and tightly conform to the contours of the contents.

● Once the pack is out of the hot chamber, forced air cooling is used to tighten the sleeve wrap to achieve a strong, secure pack ready for stacking on a pallet or placing in a shipping carton.

Specifications (All parameters in mm except "Film thickness")		45SIVL20	45SIVM25	45SIVM35
<b>Film</b>	Max roll width	wf	430	430
	Film thickness (µm)	tf	35 < tf < 100	
	Max roll dia	df	300 or max roll weight 25kg (whichever comes first)	
<b>Pack Size</b>	Min-Max pack width <sup>1,2)</sup>	wp	90-240	90-240
	Min-Max pack depth <sup>1,3)</sup>	dp	100-200	100-200
	Max pack height <sup>1)</sup>	hp	200	300
<b>Single Product Stacking</b>		wp	20-80	20-80
<b>Packing Speed</b>	Without collation	Packs/min	15-20	18-28
	With collation <sup>4)</sup>	Packs/min	10-15	10-15
<b>Electrical Supply</b>	Average power	kW	8	9
	Max power	kW	11	13
Available in 220/380/415, 3ph, N+E, 50/60Hz				
<b>Compressed Air</b>	Working pressure	kPa	500	500
	Consumption	NL/Cycle	11	11
		CFM	6	6

### Note:

1) Due to the sleeve wrapping process the SIV machine has limited applications. Contact your local Autopack representative or the distributor for more inquiries.

2) Maximum stated pack width can only be achieved if the pack depth and the height are not at their maximum. In general as the pack depth or height goes up, then for a given film size, width of the pack must decrease.

3) The values specified are to satisfy most applications but if they don't accommodate your product size please contact us as we may be able to vary some machine parameters during the manufacturing process.

4) Stacking speed is much dependent on collation pattern and carton size. 150 cartons/min would be a typical speed for a small carton stacked 4 wide x 3 high (12 pack) collation.

5) Depending on customers product range, different transfer tables may be used between wrapper and tunnel. This will alter values of L.

6) Infeed / Outfeed height adjustable +70mm. Extension possible on request.

Dimensions (All parameters in mm)		45SIVL20	45SIVM25	45SIVM35
<b>Total System</b>	Overall Length <sup>5)</sup>	L	2970	2970
	Width	W	970	1065
	Infeed Height <sup>6)</sup>	Hi	770	770
	Outfeed Height <sup>6)</sup>	Ho	830	830
<b>Wrapper</b>	Height	Hw	1690	1690
<b>Shrink Tunnel</b>	Height	Ht	1620	1720
<b>Infeed Conveyor</b>	Projection	Cp	1100	1100
<b>Outfeed Roller</b>	Length	Lo	1500	1500
	Width	Wo	500	700

The above parameters are constantly reviewed and updated and may vary from project to project depending on customers requirements.

