

Shrink Bundler with Welding Bar 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 products 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



Inline infeed and Vertical collator

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.

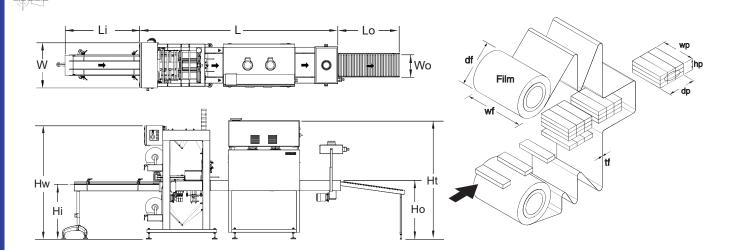
| Specifications | (All parameters in mm except "F | ilm thickness") | 45SIVL20 | 45SIVM25 | 45SIVM35 |
|---|---------------------------------|--|---------------|----------|----------|
| Film | Max roll width | wf | 430 | 430 | 430 |
| | Film thickness (μm) tf | | 35 < tf < 100 | | |
| | Max roll dia | a df 300 or max roll weight 25kg (whichever comes first) | | | |
| Pack Size | Min-Max pack width | n ^{1,2)} wp | 90-240 | 90-240 | 90-240 |
| | Min-Max pack depth | ^{1,3)} dp | 100-200 | 100-200 | 100-200 |
| | Max pack height 1) | hp | 200 | 200 | 300 |
| Single Product Stacking wp | | | 20-80 | 20-80 | 20-80 |
| Packing Speed | Without collation | Packs/min | 15-20 | 18-28 | 18-28 |
| | With collation 4) | Packs/min | 10-15 | 10-15 | 10-15 |
| Electrical Supply | Average power | kW | 8 | 8 | 9 |
| | Max power | kW | 11 | 12 | 13 |
| Available in 220/380/415, 3ph, N+E, 50/60Hz | | | | | |
| Compressed Air | Working pressure | kPa | 500 | 500 | 500 |
| | Consumption | NL/Cycle | 11 | 11 | 11 |
| | | CFM | 6 | 6 | 6 |

| Dimensions | (All parameters in mm) | [| 45SIVL20 | 45SIVM25 | 45SIVM35 |
|-----------------|------------------------|----|----------|----------|----------|
| Total System | Overall Length 5) | L | 2970 | 3890 | 2970 |
| | Width | W | 970 | 970 | 1065 |
| | Infeed Height 6) | Hi | 770 | 770 | 770 |
| | Outfeed Height 6) | Но | 830 | 830 | 830 |
| | Wrapper Height | Hw | 1690 | 1690 | 1690 |
| | Tunnel Height | Ht | 1720 | 1820 | 1920 |
| Infeed Conveyor | Length | Li | 1100 | 1100 | 1100 |
| Outfeed Roller | Length | Lo | 1500 | 1500 | 1500 |
| | Width | Wo | 500 | 500 | 700 |

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

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.



Manufactured by: AUTOPACK CO., LTD

Offices in : Sydney, Australia Bangkok, Thailand