

Continuous Motion Overlap Seal Inline infeed on Multilane

Safe

Versatile

Easy to use

Economical



Autopack SIM CMOS is a Continuous Motion Overlap Seal bundle shrink wrapper with Inline Infeed on Multiple lanes, designed for handling all product types that can be accumulated (i.e. bottles, cans, cartons) from all industry sectors. With a maximum speed of 45 cycles/min, it is Autopack's fastest machine and among the world's most compact overlap seal machines with speed up to 135 packs/min (triple tracks).

Multilane infeed



Single / Multiple track operation



90 degree or Inline outfeed



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

Standard Features

- Bottom overlap seal
- Quick & Easy changeover
- Speed up to 45 ppm (single track)
- Double/triple capacity with double/triple tracks
- Integrated Control & User friendly HMI
- Printed film registration device

Optional Features

- Tear strip perforation device
- High product stabiliser
- Diverter / Splitter
- Tunnel for handling aerosol



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



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Operation

● Products are coming from upstream and are distributed on multilanes either by accumulation or using a lane divider (optional). Here the products accumulate in each channel/lane until coverage of the Queue Photo sensor (all lanes full). This opens the infeed stopper which controls the number of products entering the grouping area. The number of products released will be according to the desired collation patterns. This could be on single or twin track operations.

● Once the groups of products are on the grouping area, motorized flight bars will advance the groups through a film feeding area where film feeding and cutting units prepare to feed and cut the film according to

preset film length. The groups are then moved to overlap area and wrapped around which forms a sleeve under the packs.

● The wrapped groups of packages enter the shrink tunnel chamber where recirculated hot air causes the plastic film to shrink, conforming to the contours of the contents, however leaving an opening at either end of the pack, often referred to as "Bulls Eye".

● Once the pack is out of the hot chamber, forced air cooling is used to tighten the wrap to allow further handling or conveying to secondary packaging equipment.

| Specifications | | | 50SIM | 52SIM | 70SIM | 72SIM |
|--|---------------------|----------|---|-------------------|-----------|-------------------|
| (All parameters in mm except "Film thickness") | | | H25 / H35 | H25 / H35 | H25 / H35 | H25 / H35 |
| Film | Max roll width | wf | 500 | 490 | 700 | 680-690 |
| | Film thickness (µm) | tf | 35 < tf < 100 | | | |
| | Max roll dia | df | 400 or max roll weight 40kg (whichever comes first) | | | |
| Pack Size ¹⁾ | Max pack width | wp | 400 | 200 ²⁾ | 500 | 250 ²⁾ |
| | Max pack depth | dp | 300 | 200 | 320 | 200 |
| | Max pack height | hp | 250 / 350 | 250 / 350 | 250 / 350 | 250 / 350 |
| Packing Speed ³⁾ | Packs/Min | | up to 45 | up to 90 | up to 45 | up to 135 |
| Electrical Supply | Average power | kW | 18 | 18 | 23 | 23 |
| | Max power | kW | 26 | 26 | 32 | 32 |
| Available in 220/380/415, 3ph, N+E, 50/60Hz | | | | | | |
| Compressed Air | Working pressure | kPa | 500 | 500 | 600 | 600 |
| | Consumption | NL/Cycle | 3.2 | 3.2 | 3.6 | 3.6 |
| | | CFM | 5 | 5 | 5.8 | 5.8 |

| Dimensions | | | 50SIM | 52SIM | 70SIM | 72SIM |
|------------------------|------------------------------|----|-----------|-----------|-----------|-----------|
| (All parameters in mm) | | | H25 / H35 | H25 / H35 | H25 / H35 | H25 / H35 |
| Total System | Overall length | L | 5300 | 5300 | 5300 | 5300 |
| | Width | W | 800 | 800 | 1000 | 1000 |
| | Height | H | 1920 | 1920 | 1920 | 1920 |
| | Infeed height ⁴⁾ | Hi | 850 | 850 | 850 | 850 |
| | Outfeed height ⁴⁾ | Ho | 850 | 850 | 850 | 850 |

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

Note:

1) 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.

2) Stated pack widths (and consequently pack depth and height) are based on double track mode. For triple track operation, max pack width will be reduced. Contact Autopack or your local representative for more information.

3) The final speed is very much dependent on the shape size of the product as well as the size of the collation.

4) Adjustable infeed/outfeed height from 850mm up to 900mm. Extension possible on request.

