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## PAKSMART® PC120 Carton Machine

### Carton size range:

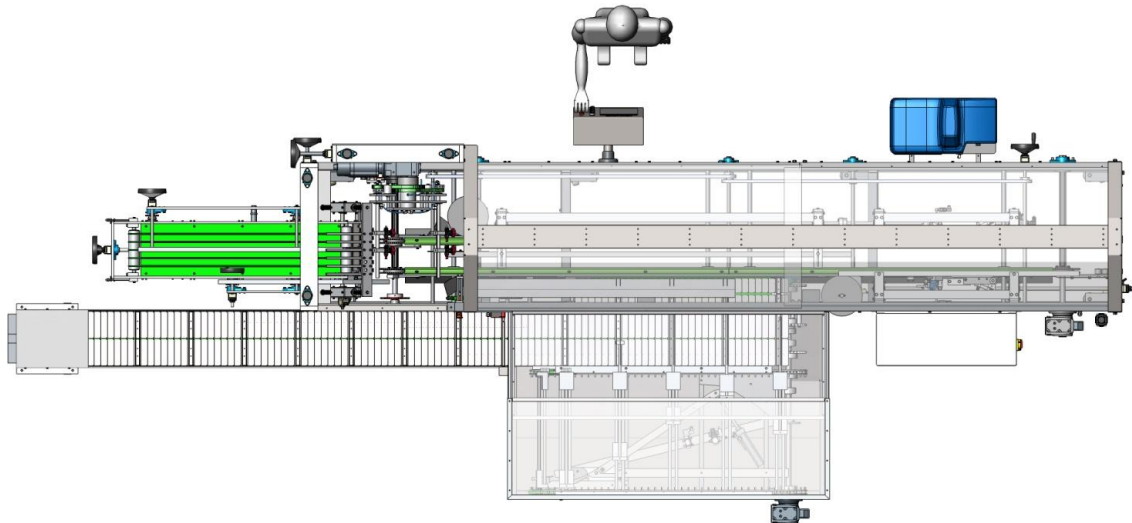
	<u>Opening length</u>	<u>Opening width</u>	<u>Depth</u>
Minimum	40mm	20mm	110mm
Maximum	225mm	80mm	300mm

Other size ranges are available.

### Operation:

The PC120 is a continuous motion servo driven carton machine. All products are placed automatically or if required by hand into the infeed bucket conveyor and will then proceed to the cam loading system. On the way to the loading system the product is detected and a carton is placed into a corresponding flight lug station via a rotary pick and place erector. The product in the infeed bucket will then travel downstream to be loaded into the carton via the cam loader. The loaded carton continues on to have the inner major flap ploughed up where hot melt glue is applied via a pressurised glue system. The outer major flap is ploughed shut to complete the process and the finished carton is discharged from the machine.

## PAKSMART® PC120 Automatic Load Carton Machine



## PC120 FEATURES -

- 120 cartons per minute - suits moderate production requirements.
- Labour requirement for PC120HL = 1 - 3 operators, PC120AL = ½ operator.
- Quality rugged corrosion resistant construction consisting of stainless steel frame, anodised aluminium components, nickel-plated chain and steel sprockets.
- Hygienic design as debris falls through.
- The use of servo drives has dramatically reduced weight, wear and tear, maintenance as well as increased performance and reliability.
- Servo motor drives are used for the carton machine, rotary carton erector, bucket in-feed conveyor, and loader.
- Automatic size change features servomotor adjustment on carton front flight lugs. Reduces size change time while increasing adjustment accuracy and repeatability.
- Carton running surfaces are stainless steel, nylon and Teflon coated aluminium for low friction and carton scuff prevention.
- Fast and accurate size change with digital readouts on hand crank adjustments and servo adjust for automatic adjustments to carton flights.
- Continuous motion operation eliminates hold times between cycles – faster cycle times with the gentlest speed per action.
- Automatic Loading (AL) model features a barrel-cam loader which loads over several stations.
- Rotary pick and place carton erector for high speed efficiency and generous size range.
- Nordson Pro Blue or Robatech Concept hot melt glue system with guns and hoses
- Safety doors are hinged or sliding and monitored by interlocking guard switches. The guard switches are checked for correct operation by a multi channelled safety relay.
- Integrated vacuum generator at erecting cups - reduces energy consumption and noise.
- Cycle-stop function allows all glued cartons to remain in compression during normal machine stops reducing product waste.
- A HMI operator panel displays machine status for stoppage indication, speed adjustment, glue shut off timing, glue stitch and carton erector offset. The HMI panel also has assisted size change features to take the operator through the process displaying settings (recipe) for each adjustment.
- Product loading is via a Barrel Cam progressive loading system.
- Hand crank adjustments for magazine height, rotary erector height as well as carton depth adjustment. All have digital readouts for easy and accurate size change.
- In-feed Slat Conveyor boasts improved efficiency due to the unique design for easy size adjustment – **'Single hand adjustment to one bucket**

- sets all bucket compartments'.**
- Powered horizontal 1.2m magazine with hand crank side guides with digital readouts
  - Hand crank adjustments on overhead rails with digital readouts
  - Easily moved on castors with jacking screws for levelling.
  - Owner's Manual.

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