

SYNPACK S9



PACKAGING AUTOMATION SERVICES

SYNPACK S9

The Synpack S9 is able to handle Rice/Corn cakes up to 40.000 cakes/hour with a very quick change over time and meets the technical requirements for high speed wrapping applications with the use of state-of-the-art technology.

Powered with nine (9) independent brushless motors, is controlled from a main computer included operator's friendly interface and electronic axis position control with PLC based on computer all-in-one.

Main Standard Characteristics:

Wrapping Speed:

- ♦ up to 20 meters of sealed film per minute
- ♦ or 40 Pack/min - Pack length up to 400 mm

*The speed is depends upon the type and nature of the products to be wrapped as well as the type and quality of the wrapping materials and the feeding system.

- ♦ Reel width: up to 600 mm
- ♦ Max. reel diameter: 350 mm
- ♦ Reel core: 65 to 75 mm
- ♦ Nine (9) independent brushless motors with separate digital control, synchronized by the central computer to drive:
 - (1 motor) Infeed chain with sinusoidal movement.
 - (2 motor) Fin seal wheels.
 - (1 motor) Transverse crimpers with sliding movement and guillotine cutting.
 - (4 motor) Vertical chain on film with sinusoidal movement.
 - (1 motor) Outfeed belt (AC Inverter).
- ♦ First couple of pulling film rollers pneumatic open/close by pushbutton.
- ♦ Second couple of sealing film rollers with pneumatic open/close automatic at start/stop.
- ♦ Infeed Chain of appropriate length, with double Pusher (Spring return and Fixed).
- ♦ One couple of film pulling rollers with several mechanical registration for proper wrapping the film around the product.
- ♦ One couple of film sealing rollers.
- ♦ One reel holder.
- ♦ Vacuum System to remove air inside the pack.
- ♦ Infeed Chain with sinusoidal movement, to have always the bottom of the package plan for the bottom heating.

- ♦ Vertical chains motorized with independent brushless motors with separate digital control, to keep straight the cake on edge into the tube of film formats.
 - ♦ Mark Photocell electronically controlled print registration with +/- correction.
 - ♦ Crimpers cutting electronically controlled cut registration with +/- correction.
 - ♦ Crimpers stop in open position.
 - ♦ Main computer included Operator's friendly Interface based on Tex Computer all-in-one.
 - ♦ Digitally controlled cut-off length with possibility to memorize up to 10 products.
 - ♦ Digital speed read-out integrated on the display.
 - ♦ Digital product counter read-out integrated on the display.
 - ♦ Temperature sensors of Constant Iron Thermo Couple (3 items).
 - ♦ Electronic PID control of the sealing temperatures with auto-tuning (3 items).
 - ♦ Electrical panel included on the machine body.
- *** Synpack S9 can wrap with or without twist band.

