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.