

# P325S-SP Flow Wrapping Machine Multi Axis Servo Drive

**Redpack**<sup>®</sup>  
PACKAGING MACHINERY



Redpack's P325S-SP is a world leading Horizontal Flow Wrapping Machine specifically designed for multipacking snack products. With continuous development since 1977, the P325S-SP is a proven, reliable solution for high volume Snack Multipacking.

The P325S-SP is ruggedly manufactured with precision engineered components housed in a steel fabrication providing minimum maintenance and 24/7 production capability.

The P325S-SP has a versatile multi axis servo drive system that is able to communicate with other plant equipment, and includes information gathering resources. The drive system is interfaced to a colour touch screen that has powerful machine diagnostic capabilities combined with easy to use screen commands.

The P325S-SP can be supplied with Auto-Splice for automatically changing film reels and a range of product infeed solutions are available for specific product types and feeding methodology.

*These features ensure that the P325S-SP is at the heart of automatic Snack Packaging System.*



## Drive System

- Multi axis servo drive to the infeed, seam crimp rollers and end crimp
- Colour touch screen HMI provides simple operator input of 50+ product settings against a product name
- Entry of the product code automatically changes the bag length, print registration, end crimp slow down, infeed position, machine speed and printed code position (if a coder is installed)
- On screen machine diagnostics
- Self correcting print registration position to within 1mm of the set position
- Electronic overload detection to prevent overloading the drive mechanisms.

## Machine Specification

- Fabricated mild steel machine housing precision engineered components designed for high production stability and 24/7 production capability
- Cantilever design to enhance hygienic cleaning and improve maintenance access
- Sealed for life bearings for low maintenance
- 5.5 metre product infeed with adjustable product infeed pushers and adjustable side guides (alternative arrangements are available to suit product and feed methodology)
- Infeed houses appropriate emergency stop positions and feed operator remote machine on/off station (not required for automatic feed systems)
- Quick release reel handling mechanism
- Easy change film fold box and fold plates
- Three sets of seam crimp rollers - first set preheat, second set sealing heat, third set cold with film turnover
- Seam crimp release to open the second set of seam crimp rollers to prevent film melt when the machine stops
- Rotary end crimp with jaw centres to suit product requirement, knife and anvil with fine adjustment for parallelism
- Precision temperature controllers for the seam crimp and end crimp heaters
- Sealed seam crimp and end crimp slip rings
- End crimp timed stop to prevent film melt when the machine is stationary
- Perforated steel end crimp guarding with gas spring support for operator safety and tunnel guards for seam crimp and outfeed conveyor
- Product outfeed conveyor
- Stainless Steel food contact areas
- White RAL9003-TGIC free-baked polyester powder coat finish
- Adjustable foot mounting for stability
- Redpack Machines are manufactured in compliance with current European Community essential health and safety machinery directives and appropriate Harmonised standards. Full information is available upon request.

## Optional Extras

- Communication with other plant and equipment and production data collection
- Auto-splice to automatically splice the film on reel changeover to minimise reel changeover times
- Second reel holder allows operators to have a reel in position ready for reel changeover
- Reel run out switch (stops the machine when the film runs out)
- Variations to the fold box arrangement
- No product no bag (prevents empty bags being made)
- Misplaced product no crimp (prevents product fouling the end crimp jaws)
- Film Perforator to perforate the film over-wrap to allow internal air to escape
- Euro-slot end crimp dies
- Internal modem for remote machine fault interrogation and software update (option for SIM card connection)
- Date coder installation (customer preference)
- Infeed extension(s) to lengthen feeding area
- Second reel holder with manual film splice facility to allow operators to have a reel in position ready for changeover and plate to enable film splicing
- Air clamping reel holder(s) available with inset scale to aid reel positioning
- Auto-splice to automatically splice the film on reel changeover to save reel changeover times
- Film low detection device to alert operators when film runs low
- Collation tamper device
- Label applicator installation (customer preference)

## Technical Data

<b>Electrical requirement</b>	380/440V 50HZ 3Ph N+Earth	
<b>Electrical consumption</b>	7kVA	
<b>Pneumatic requirement</b>	4Bar minimum dry clean air supply	
<b>Wrapping materials</b>	OPP, PLA, Heat sealing laminates, Cold seal	

### Pack sizes:

<b>Length (mm)</b>	<b>160 (min)</b>	<b>600 (max)</b>
<b>Width (mm)</b>	<b>120 (min)</b>	<b>180 (max)</b>
<b>Height (mm)</b>	<b>50 (min)</b>	<b>140 (max)</b>

The above pack sizes are standard however other sizes are available to suit customer requirements

<b>Reel diameter (mm)</b>	320 (max)	
<b>Core diameter (mm)</b>	75	
<b>Width (mm)</b>	650/850 (max)	
<b>Sealing face</b>	Inside Reel	
<b>Machine speed (ppm)</b>	20-80	
<b>Noise emission</b>	Less than 70dba at 1m distance, 1.6m above floor	
<b>Approx. wt. (kg)</b>	1250	

