

Pack 403.

SYNTEGON
PROCESSING & PACKAGING

HIGH-SPEED HORIZONTAL FLOW WRAPPER

APPLICATION INFORMATION

With years of experience in the horizontal flow wrapping market, Syntegon's Pack 403 high-speed flow wrapper is easy to use and offers intuitive operations and repeatable changeovers. In addition, the machine and HMI are perfectly aligned for a user-friendly experience. The Pack 403 is ideal for wrapping bars, bakery goods, chocolate, cookies, and crackers.

RELIABLE, HIGHLY EFFICIENT OPERATION

A robust, full-servo control design provides a high level of operational performance and long machine life. Depending on product characteristics, size and package format, the solution can produce up to 800 quality packages per minute.

MACHINE OPERATION REDEFINED

With its ease of set up and access, procedures overseen by a user-friendly HMI, decals, and laser-engraved scales and instructions, operators will be delighted with this machine. From clearly marked changeover parts to tensioners and finwheel pressure gauges that are visually easy to control, this is truly a user-friendly system.

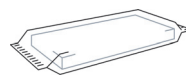
CLEAR, SIMPLE & USER-FRIENDLY HMI

The benefits of Syntegon's HMI 4.0 include a guided workflow that leads operators through each process, the smart Preventative Maintenance Assistance which notifies operators of needs in advance, and a centralized information center on the dashboard with options to share and visualize data if needed. As a gateway to Industry 4.0, the HMI 4.0 supports connectivity to Syntegon's Industry 4.0 solutions.

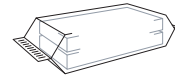
Your benefits

- **Reliable operation:** consistent quality, proven packaging and feeding solutions, 24/7 operation
- **Easy & error-free adjustments:** all adjustments are easy to understand, repeatable, and can be documented in the HMI
- **Single-source solution supplier:** simplifies projects & minimizes integration risk by sourcing case packing and primary packaging from a single supplier

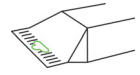
PACK STYLES



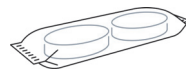
Pillow



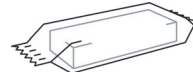
Gusset



Hole Punch



Straight cut



Zig-zag cut



Tear Notch



Horizontal sealing
serration



Vertical sealing
serration



Packaging Line Structure.

Product Handling			Primary Packaging			Secondary Packaging		
Pick & Place	Distribution	Feeding	Flow Wrapping	Vertical Bagging	Bag Sealing	Forming	Closing	Loading
Pack 403								

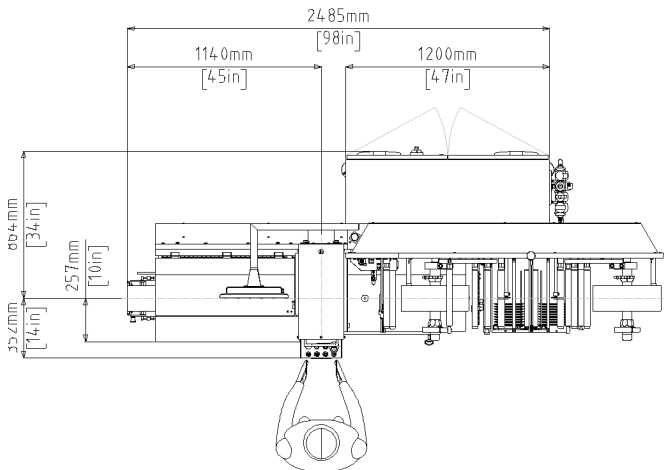
Standard features

- Two (2) film reel holders with power unwind
- Self-centering film reel holders
- Automatic film splicer
- Easily exchangeable film folding box
- Three (3) sets of finwheels built in separate hygienic housings, 1 set heated
- 2-up crimper jaws with straight/bias knife
- Hand-wheel for manual rotating of sealing jaws for cleaning
- Rockwell Control System with Syntegon HMI 4.0
- 1 meter discharge conveyor with rejects for empty bag, melted film, and splices

Optional features

- Low/almost empty film reel detection
- End of film cutting mechanism
- Film tension measuring and control
- Automatic film tracking correction
- Cold seal peeling rollers
- Pre-heating unit or 2nd heated finwheel
- Air evacuation for tighter packages
- Air or mechanical gusseting
- No-product-no-bag feature
- No-bag-no-seal feature
- Driven overhead roller on the discharge
- Date coders/printers
- 3-up, 4-up crimper jaws

Layout example



Technical Specifications

Product Dimensions	min.	max.
Length (mm)	40	565
Width (mm)	12	120
Height (mm)	6	90
Film Reel	max.	
Diameter (mm)	400	
Weight (kg)	35	
Width (mm)	265	
Film Sealing	max.	
Fin seal height (mm)	6 / 9 / 15	
Cross seal width (mm)	20 / 25	
Capacity	max.	
1-up crimper (ppm)	400	
2-up crimper (ppm)	600	
3-up crimper (ppm)	800	
Film speed (m/min)	80	
Electrical		
Standard supply (VAC)	440 - 480	
Power supply frequency (Hz)	50 / 60	
Control circuit (VDC)	24	
Pneumatics (psi/bar)	min. 80 / 6	
Working height (mm)	650 / 850 / 930	
Color	RAL 9006, FDA APPROVED	

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