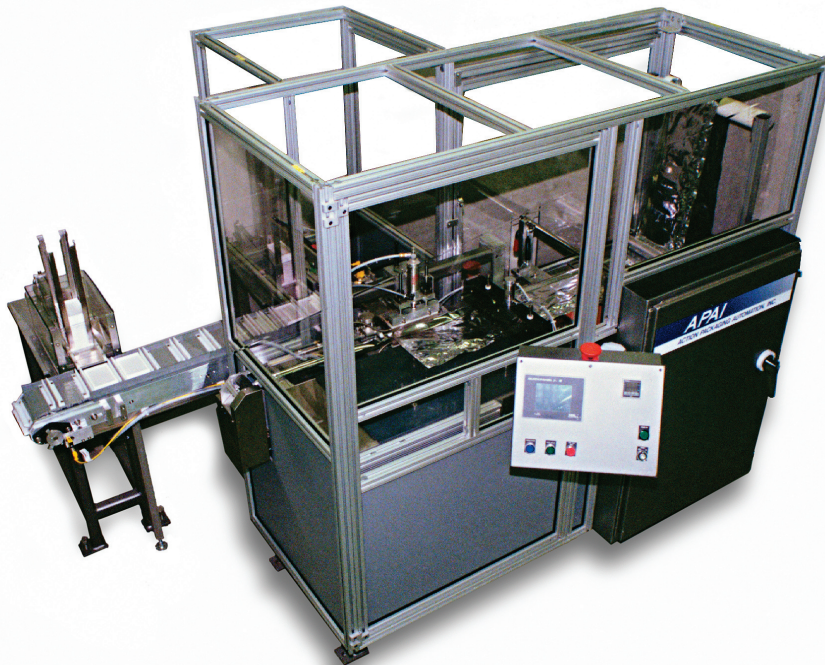


APAI

FLAT-PAK™



Flat-Pak with Custom Infeed System for Diagnostic Trays

FLAT-PAK OVERVIEW

The Flat-Pak is designed for products requiring horizontal infeed into the package. Products are loaded completely in the horizontal plane and thus can maintain orientation from the loading area into the package. Applications include paint brushes, pens, markers, hair rollers, medical diagnostics, plastic tubes, paper booklets, plastic straws, tortillas and flat bread. Custom infeeds can take the product from a flighted conveyor where the product has been accumulated and push the product directly into the pouch.

Our unique experience with infeed systems allows us to interface to different types of manufacturing equipment allowing complete turn-key solutions.

HOW THE FLAT-PAK WORKS

Starting from roll stock material, the film is folded in half over the film folder, and enters the accessory area. In the accessory area, options are added to the pouch including the reclosable zipper, hole punches, date coding, labels, header seal and gussets. The folded film is then side sealed and cut, (the pouch now consists of a fold and two side seals) then enters the loading area. The loading station consists of infeed chute that moves forward into the pouch, opening the pouch as the product is delivered through the chute by an infeed pusher. For high profile products, an additional bag opening system is added. The chute and plunger retract, and the completed pouch is sealed, cut and discharged from the machine.

FLAT-PAK FEATURES

- Standard model capable of running LDPE, LLDPE, PP, and HDPE.
- L-Model capable of running all laminated materials including Tyvek/Polyester, Metallized Films, Coextrusions and Medical Grade Paper.
- Reclosable Zipper attachment allows for the quick and economical addition of zipper to any pouch package.
- Up to 30/min for S-Model Single Pouch System and 60/min for D-Model Double Pouch System
- Capable of running registered printed material or clear unprinted material.
- Simple to operate with user friendly touch panel screen and error logging.
- Allen-Bradley PLC (SLC 500) for industry standard compatibility and control.
- Infeed system of pusher and chute, opens the bag before product delivery, preventing product from sticking or cutting the pouch.
- High profile items can be packaged using a bag opening mechanism with heights up to 4".
- Suction cup loading stations can fail to open the pouch. The combination pusher/chute infeed station insures accurate loading every time.
- Horizontal loading allows for accumulation of cards, inserts, instruction booklets, coupons, or dessicant with the main product.

Horizontal Load F/F/S Packaging

APAI FLAT-PAK

FORM/FILL/SEAL FLAT-PAK SPEEDS PRODUCTION

Flat-Pak Main System

Standard Film System

- Standard model capable of running LDPE, LLDPE, PP, and HDPE.
- Equipped with an impulse sealing system for clean and repeatable seals.
- Standard model uses an impulse seal and cut system which cuts the film during the sealing process using teflon coated wire.

-L Laminated Film System

- Equipped with constant heat sealing system for laminated pouches.
- Ceramic heaters with temperature controllers.
- L-Model capable of running all laminated materials including Tyvek/Polyester, Metallized Films, Coextrusions and Medical Grade Paper.
- L-Model uses a knife station after the sealing station to cut the seal.
- Cannot be used with PE, PP or HDPE films.

-S Single Loading Station

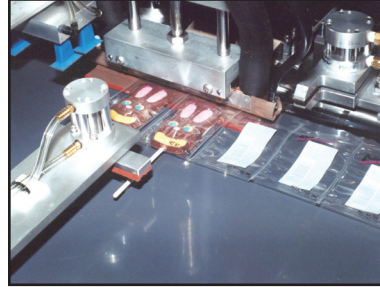
- Creates one pouch per machine cycle

-D Double Loading Station

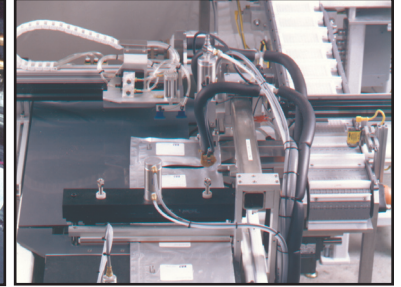
- Creates two pouches per machine cycle
- This option is for dedicated use of the machine for a particular pouch size as changeover is more difficult with the double loading station option.

-Z Inline Zipper Attachment

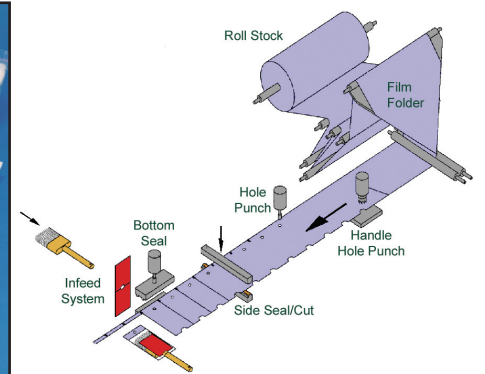
- Creates reclosable zipper pouch by attaching string or flange zipper to the pouch. Includes zipper lock, zipper trackers and zipper unwind assembly.



Double Pouch Flat-Pak



Side Seal and Infeed



Accessory Options

- Hole Punch:** Euro, 1/4", Safety, and other styles.
Tear Notch: Diamond or slit tear notch.
Perforation: For easy open pouches.
Header Seal: For products with hanging hole.

Print and Apply Labeler

Thermal In-Line Pouch Printing

Hot Stamp Coding

Vacuum and Gas Flushing

For applications which require modified atmosphere pouch.

Inquire about more custom options.

	Flat-Pak 1014	Flat-Pak 1214	Flat-Pak 1418
Pouch Width Range	4" - 10" (101 mm - 254 mm)	6" - 12" (152 mm - 305 mm)	7" - 14" (178 mm - 356 mm)
Pouch Depth Range	Up to 14" (356 mm)	Up to 14" (356 mm)	Up to 18" (457 mm)
Infeed Max Opening	4" wide opening (101 mm)	4" wide opening (101 mm)	4" wide opening (101 mm)
Electrical	240 VAC, 30 A, 3Ø, 50/60 Hz	240 VAC, 30 A, 3Ø, 50/60 Hz	240 VAC, 30 A, 3Ø, 50/60 Hz
Air	90 PSI @ 20 CFM (621 kPa @ 566 l/min)	90 PSI @ 20 CFM (621 kPa @ 566 l/min)	90 PSI @ 20 CFM (621 kPa @ 566 l/min)
Cycles/Min	30 cycles/min	30 cycles/min	30 cycles/min
Machine Size	116" x 30" x 42" 295 cm x 76 cm x 107 cm	126" x 30" x 42" 295 cm x 76 cm x 107 cm	126" x 36" x 42" 295 cm x 76 cm x 107 cm
Machine Weight	1900 lbs. (864 kg.)	2100 lbs. (955 kg.)	2300 lbs. (1091 kg.)

APAI

ACTION PACKAGING AUTOMATION, INC

15 Oscar Drive Roosevelt, NJ 08555-0190
 (800) 241-APAI (609) 448-9210 FAX (609) 448-8116
 sales@apaiusa.com www.apaiusa.com

Contact APAI with confidence for expert application assistance and to obtain details on economical, cost-effective machines built to meet your packaging needs.
 NOTE: Specifications and appearance may change without notice.