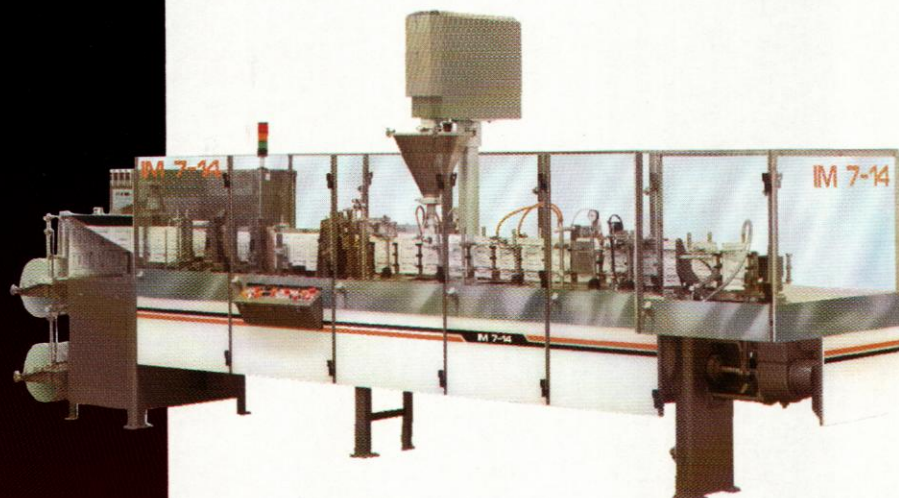
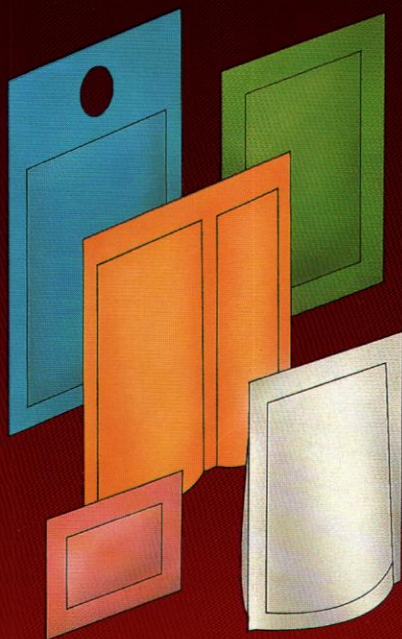


MODEL IM



The New
Generation
Horizontal
Form/Fill/Seal
Pouch Packager



KLÖCKNER
BARTELT

The Klöckner Bartelt New Generation IM is a highly versatile, intermittent motion horizontal form/fill/seal pouch packager. The original Bartelt® is regarded as the industry standard in h/f/f/s, and the New Generation Model IM features advanced technology to enhance productivity and packager efficiency.

Package Size & Style Flexibility

The New Generation IM is capable of producing a wide variety of package configurations. These include standard three and four side sealed fin pouches, pouches with gussets up to 2" (50.8mm), as well as self-standing Delta-Pacs™. As an option, the IM can be configured to produce Zipper-type re-sealable packages. In this application, zipper material can be fed from a separate roll and merged with the web material, or pre-applied zipper material may be used. In addition to this package configuration versatility, the IM has a broad size range and multiple fill station flexibility to accommodate a variety of standard, and specialized filling requirements.

The IM Design Features Built-In Versatility

Available in six (IM6), seven (IM7) and nine inch (IM9) pitch configurations, the typical IM Packager accommodates 14 workstations. These stations include pouch forming, opening, filling, tamping, sealing and vacuum pick-off, as well as notching, code dating, debossing and other special features. This flexibility of packager layout makes the IM ideally suited to applications calling for special pouch configurations or complex multiple fill products.

Size changeovers are accelerated on the New Generation IM with the Patented, Rapid-Change Sealing System™. This unique system, a Klöckner Bartelt exclusive, consolidates all pouch forming/sealing functions on twin platforms. Changes in bag width and height are easily accomplished by adjusting sealing bars on the platform. Additional fast changeover features include the adjustable web plow and programmable limit switch for on-the-run timing adjustment.

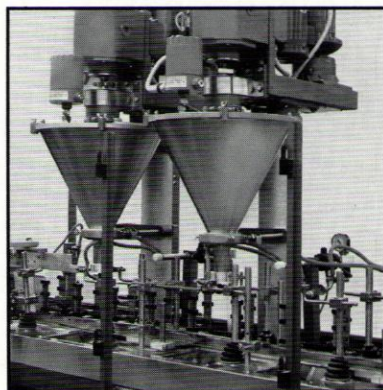
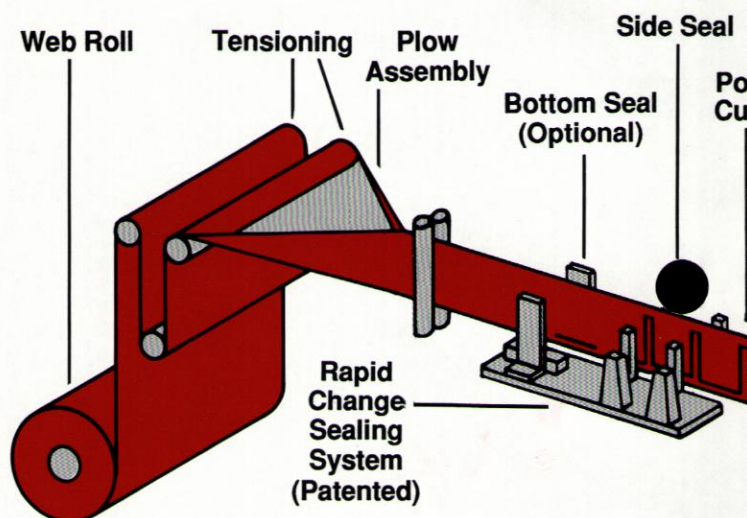
OPERATION

Pouch material is fed from the web roll through the plow section to form either a fin or gusset pouch. After folding to the correct orientation, the pouch is bottom and side sealed and optionally code embossed or notched. The Rapid-Change Sealing System opens the sealing jaws 1/4" (6.35mm) during operation to form a precision seal. In the event of a jam, or machine stop, the jaws open to 3" (76.2mm) to allow access and prevent web burn.

After side and bottom sealing, the pouch material is secured in the transport pouch clamp, and the pouches are cut to the proper width in the center of the side seal area. The pouch is then indexed, filled and sealed in individual operations. After leaving the top seal assembly, the pouch is removed by a vacuum pickoff assembly and oriented for delivery to downstream packaging equipment.

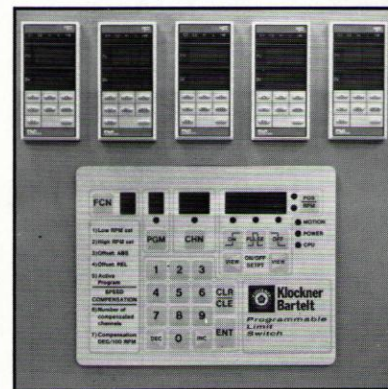


WEB STAND
Optional advance available with roll auto web alignm



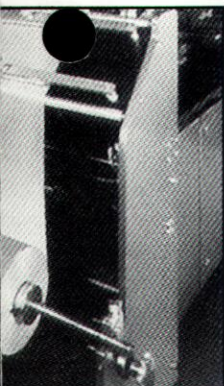
FILLING VERSATILITY

Multiple fillers are easily accommodated. Two augers are shown here. Vibratory and volumetric fillers as well as liquid pumps and net weigh scales may also be used.

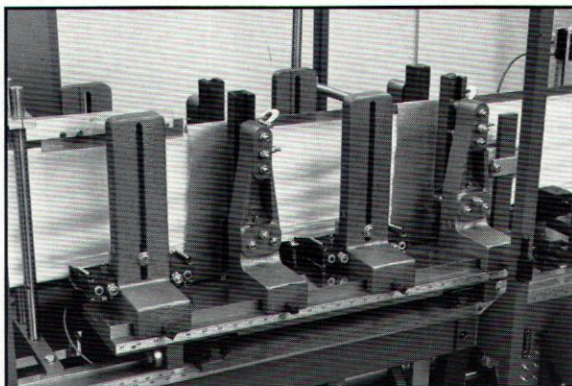


PLS

Advanced electronics include a Klöckner Bartelt Programmable Limit Switch (PLS) to tune the packager and adjust timing on-the-run, greatly reducing set-up time.

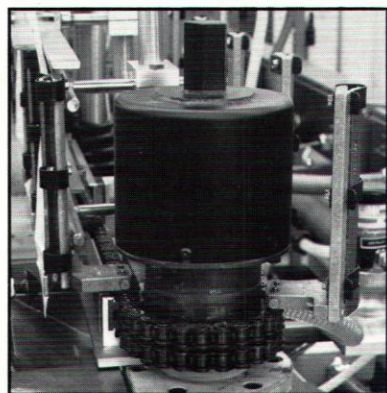
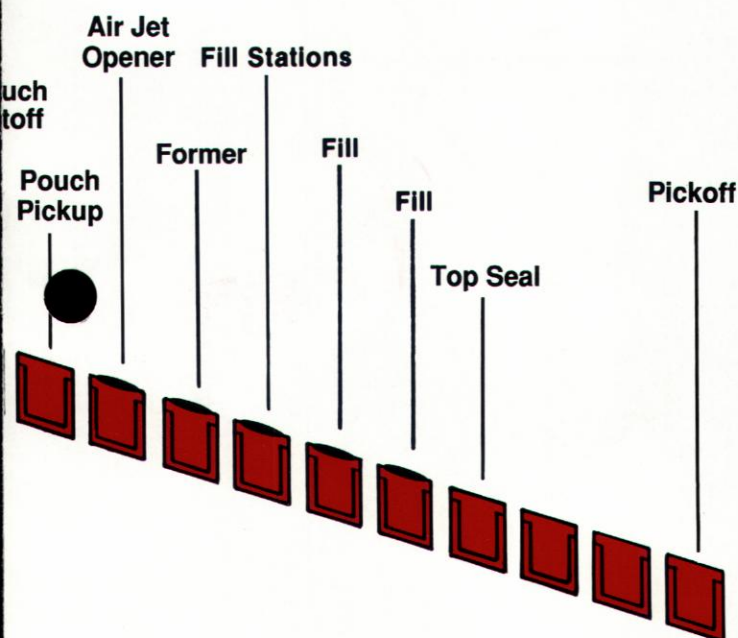


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l lift, splicing table and
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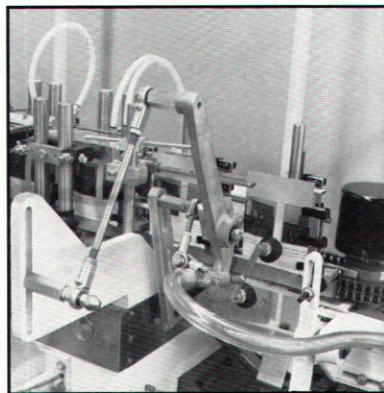
RAPID-CHANGE SEALING SYSTEM

The Patented Rapid-Change Sealing System centrally drives the bottom pre-heat, side pre-heat, bottom seal and side seal bars. Seal bars are adjustable via a common slide base.



OVERLOAD CLUTCH

The overload protection clutch immediately slows down the packager in the event of a jam. The clutch is easily readjusted when the jam is cleared.



VACUUM PICKOFF

A variety of pickoff and discharge options are available to interface smoothly with downstream equipment.

Ideally Suited To a Variety of Products

The filling versatility of the IM is evident in the variety of products able to be packaged on the machine. These include powders, granules, liquids, creams, pastes, pills, tablets and small hard goods. In addition, Klöckner Bartelt engineers can develop specialized feeding and filling apparatus for irregular shaped and difficult to handle products.

Constructed of heavy duty materials and engineered to precise standards, the New Generation IM is built to provide years of trouble-free operation.

Benefits

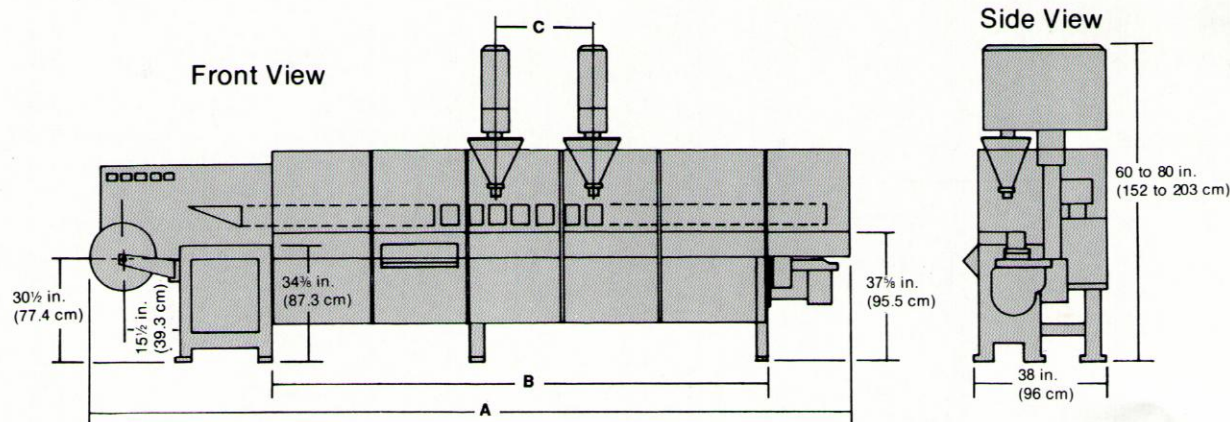
- Variety of pouchmaking capabilities including fin pouches, gusset pouches and self-standing Delta-Pacs™. Pouches can be fitted with die cuts, hangers and other special designs.
- Capability to run Zipper-type re-sealable packages.
- Speeds to 100 single or 200 tandem pouches per minute.
- Multiple fill capability. Easily accommodates vibratory, volumetric/ auger and net weigh scales.
- Reduced set-up time with PLS on-the-run timing adjustment and Rapid-Change Sealing System.
- Low maintenance and downtime with advanced New Generation IM features.

Features & Standard Equipment

- Plow height adjustment handwheel for fast changeover.
- Variety of pitches and workstation configurations to meet exact product package requirements.
- Advanced temperature control system.
- High performance central vacuum system.
- Fiber optic photo registration system.
- Allen Bradley PLC.
- UHMW wear strips on chain guides.
- Torque limiting clutch.
- Centralized operator controls.
- Modern guard package provides easy accessibility. Machine is finished in heavy duty Steel-It epoxy.
- Cluster Lubrication.

MODEL IM

SPECIFICATIONS



Pouch Dimensions

Minimum:

- IM 6-14: 2" (50.8mm) wide x 2" (50.8mm) high
- IM 7-14: 2" (50.8mm) wide x 2" (50.8mm) high
- IM 9-14: 3" (76.2mm) wide x 3" (76.2mm) high

Maximum:

- IM 6-14: 4-3/4" (120.6mm) wide x 9-1/2" (241.3mm) high
- IM 7-14: 5-3/4" (146.1mm) wide x 9-1/2" (241.3mm) high
- IM 9-14: 7-3/4" (196.8mm) wide x 9-1/2" (241.3mm) high
- Gussets up to 2" (50.8mm) maximum thickness

Speeds

- Up to 100 pouches/minute for single pouches*
- Up to 200 pouches/minute when run in tandem*
- *Depending on fill characteristics of product

Power

230/460V, 60 Hz, 3-phase. International voltages available

Drive Motor

1 HP, totally enclosed, variable speed industrial motor

Pouch Materials

Most self-supported, heat-sealable laminates including structures containing polyester, polyethylene, polypropylene, foil, cellophane and paper.

Control 115VAC, 60 Hz, single phase

Air 2 cfm at 60 psi

Vacuum Motor supplied as required

Materials and Finishes

- Base: Heavy-duty industrial weldment
- Dust Cover: Stainless steel and aluminum
- Castings: Grey iron to special alloy as required
- Paint: Machine primed and painted with high quality Steel-It epoxy as standard finish

Optional Equipment

- Label Applicators
- Resealable zipper packaging
- Code daters, printers and debossers
- Special pouches and /or die cut shapes
- Hole punch mechanisms
- Notchers
- Slitters or perforators
- Top seal cleaner
- Central lubrication
- Dust collecting manifold
- Pouch Counter
- Gas flush system

Machine Dimensions

Lengths and heights depend on design of pouchmaking section and number and type of fill stations. Typical dimensions are shown in diagrams above.

Model	IM 6-14	IM 7-14	IM 9-14
Index Length	6" (152.4mm)	7" (178.8mm)	9" (228.6mm)
No. of Stations	14	14	14
A*	203 1/8" (5159.4mm)	222 3/4" (5657.9mm)	249 1/8" (6327.8mm)
B*	126 3/8" (3210mm)	146" (3708.4mm)	170" (4318mm)
C*	18" (457.2mm)	21" (533.4mm)	27" (685.8mm)

Weight (approximate, crated)

- IM 6-14: 4600 lb (2087 kg)
- IM 7-14: 4800 lb (2177 kg)
- IM 9-14: 5100 lb (2313 kg)

KLÖCKNER BARTELT

Any machine shown without guards is shown for illustration only. Complete guard systems are supplied and must be in place before operation. Klöckner Bartelt reserves the right to change or modify specifications without prior notice. Machine changes are the result of continual product improvement.

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