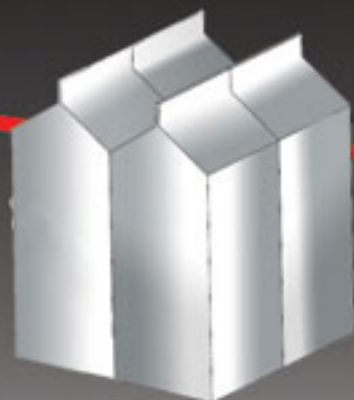
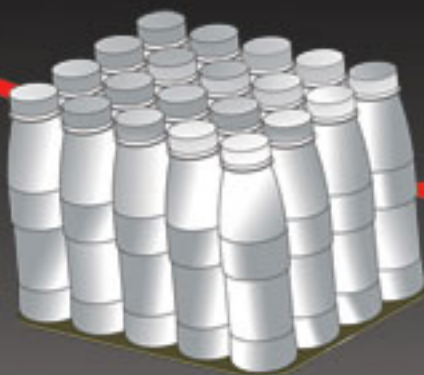
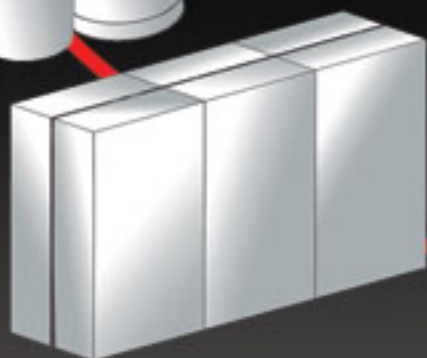


poly pack

Saving you money



we **INVERT**, we **COLLATE**, we **STACK**, we **SHRINK**

AND YOU SAVE!





TAPERED PRODUCTS PAGE 2

Cost effective packaging.
Polypack provides packaging alternatives for the dairy industry.
Specialized, dairy specific shrink-wrapping and packaging equipment offers many advantages. Our clients realize huge savings on materials, inventory space, labor, and time.
Polypack dairy equipment increases packaging efficiency.



BRICK CARTONS PAGE 3



GABLE TOP CARTONS PAGE 4



DRINKABLE PRODUCTS PAGE 5

PACKAGING OPTIONS..... PAGE 6 & 7
GENERAL CONSTRUCTION..... PAGE 8
COMPANY INFORMATION..... PAGE 9

Savings through innovation

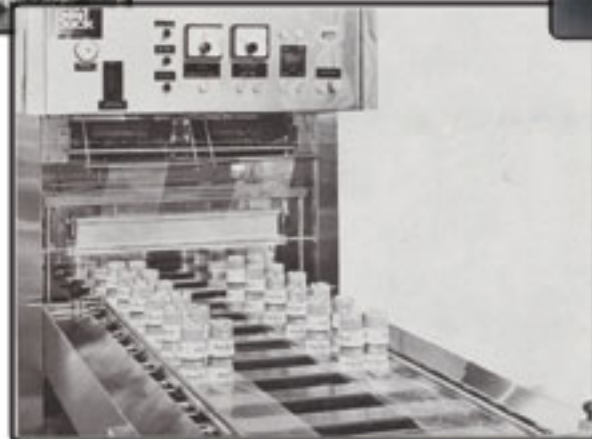
Shrink wrapping and tray packing machines comprise the Polypack product line. We provide not only the wrappers, but product orientation, collation, case packing and wrap-around case forming as well. Every Polypack machine is modularly designed allowing it to further meet the need for growth and change. Polypack creates machines tailored to meet specific applications. All of our shrink wrappers and our end-of line packaging equipment are engineered to package products of various shapes and sizes, individually or in multipacks, unsupported, in trays or pad supported. Polypack equipment is backed by factory-direct service. We provide factory installation, training, and after-sale support.



▲1969 POLY500 TETRA-REX



▲ 1974 ALL STAINLESS STEEL WRAPPERS



▲1973 DAIRY BUCKET MACHINE

Tapered products



Cultured products and ice cream can be packaged in many configurations. Polypack designs packaging machinery that multipacks tapered cups of any size and shape.

Eliminate top and bottom pads. The center pad alone prevents product lids from chiming throughout distribution.



No glue. There is no need to purchase this consumable item. Reduced cost, less maintenance and the elimination of a hot melt dispenser can be realized. Polypack equipment positively controls products during collation, without messy, ineffective hot melt.



Less film. Approximately 20% less film is used for the outer sleeve wrap when the top & bottom pads are removed. Products are held together much more tightly when film is allowed to conform to the contours of the products.



Save on shipping. No need to purchase, ship, store & re-ship large quantities of corrugated material. Polypack's economical packs allow more bundles on a pallet with excellent stacking strength.

Many companies are already benefiting from these packaging systems.

- *A dairy company based in Texas replaced its old shrink system with a Polypack bucket machine on its yogurt line.*

- *Another company decided to use the cup inverter option with its Polypack machine to invert every other juice*

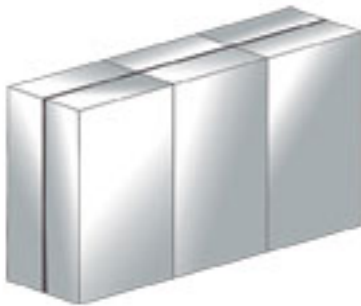


Brick cartons



Aseptic brick cartons are often used to package milk or juice.

Polypack systems handle these flexible bricks as well as many other products. Standard, single flavor multipacks or rainbow packs can be produced. Polypack machines can automatically sort products by flavor to produce rainbow packs.



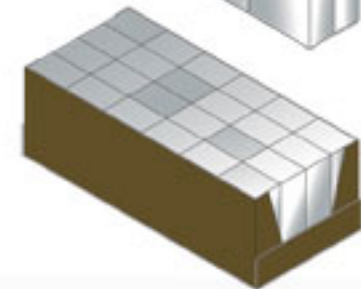
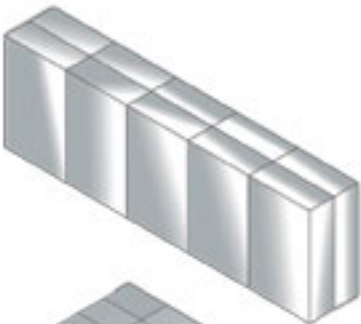
Shrink wrapping aseptic cartons offers many advantages.

Increased efficiency and versatility. Packages are wrapped more efficiently, with added multipack versatility.

Better visibility. Customers can view the different products comprising a multipack.

Clear packaging can make for a more attractive display.

Material savings. Expensive paper packaging can be reduced or eliminated. Wrapped bricks can be tightly multipacked, thereby reducing materials and costs.



With the advantage of offering multi-packs to satisfy multi-tastes, companies are using Polypack's rainbow pack system.

• A company in Mexico multipacks its products with Polypack CFH machine using the automatic rainbow pack option.



Gable top cartons



Milk, juices and other dairy products are often packaged in gable top cartons. Gable top packages are both difficult to handle and space consuming when stored into crates.

Polypack offers a system designed especially for gable top cartons.

Multipacks are created in many configurations regardless of their sizes. A cardboard pad can be inserted between the products to offer better stacking stability and strength. Multipacks can be shrink wrapped with polyethylene (PE), polyolefin (PO) or polyvinylchloride (PVC) films.

The advantages of shrink wrapping gable top multipacks are many.

Reduce shipping costs. Shrink wrap reduces packaging weight and space.

Better protection. Shrink film protects from humidity, dust and dirt. Multipacks look better and show better on retail shelves.

Easy to store. Shrink packaging allows for storage in a refrigerator, or on ice.

For promotional purposes or school programs, gable top products are wrapped in many configurations.

- In California, a company decided to use our PH system to package mini-gable top milk products for the school lunch programs.*

- A Florida company multipacks two gable top juice cartons with our CFH machine*



Drinkable products



Drinkable yogurt, bottles and gallons of milk can now be multipacked in any configuration with the option to add a tray, a pad and/or a handle.

Shrink multipacks offer many advantages for both distributors and retailers.

Cost reduction. Polypack machines wrap any configuration of bottles and odd shaped products reducing or eliminating corrugated and producing low cost multi-packs.



Improved product visibility. Multipacked products make for shelf ready packages. The labels on products are visible for instantaneous brand recognition.

Better protection. Products are tightly packed reducing and/or eliminating label scuffing caused by rotational motion and vibration.

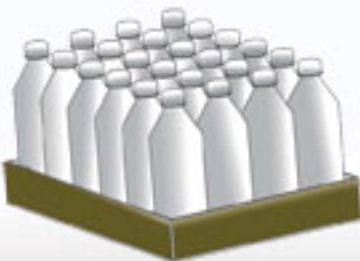
Stability. Products can be packaged with a tray or a pad for more stability. In addition, full sided trays may be used to provide more stacking strength.

Handle innovation. After the product is shrink wrapped, handle applicator can be integrated to add a handle to the package for an easy carry solution.

Yogurt and bottles of milk are shrink wrapped using Polypack systems.

- *A company located in China uses our CFH system to multipack bottles in configurations of 6, 12 and 24.*

- *In California, a dairy company decided to use a tray loader/former with a shrink wrapper to offer more stability to their multipacks.*



Packaging options

Polypack's equipment can be used to mix, invert, orient and multi-pack products. Polypack can produce and attach carry handles to multipacks. Other systems can use print registered film to help promote products on the shelves. Pad supported or trayed product can be produced.



Rainbow packs. This option makes different flavored product in a single pack. Juices, fruit cups, ice cream and other products may be offered as variety packs. This system is capable of receiving automatic delivery of various individual size, shape, and flavored products. It divides them according to the chosen configuration and collates them into a single retail multi-pack.



Pad option. Bottom support, in between layers or top pad automatic placement options are available. Pads can be used to prevent product lids from chiming. No glue is needed; eliminating hot-melt dispensers and messy glue.

Print registered film.

Polypack's Cha Cha Cha series machines use print registered shrink film to create retail multipacks. In addition, Polypack produces a line of total closure shrink wrappers capable of running clear and print registered retail films.



Packaging options



Cup inverters. This tapered product option inverts any combination of products and collates them into smaller, tighter collations for multi-packing.



Label orientation. This system automatically rotates all of the product labels in a multi-pack. Polypack rotates the products to maximize shelf appeal or to position UPC codes. Polypack's label orientation system can be installed on the infeed of a new shrink-wrapper.



Carry handles. This patented system assembles and automatically applies a carry handle to your products. The industrial strength tape is ideal for adhesive handles for heavy plastic or cardboard packages. Handle systems can hold packages up to 50 lbs. They are easily adjusted to accommodate a wide range of pack shapes and sizes.

Tray loader/formers.

Polypack produces a series of automatic product collating, tray loading, and forming equipment. Adjustments for different tray sizes are made automatically, and in less than 10 minutes! TR machines can be integrated in front of any Polypack shrink wrapper to provide a complete end-of line



General construction

Standard Features

- Quick changeovers
- Automatically collates and shrink wraps products
- Durable stainless steel construction
- Caster mounted with adjustable leveling legs +50mm / -0mm (+2" / -0")
- Equipment meets OSHA and CE standards for safety
- All machines are symmetrical and can be built with components on either side
- Each machine comes with a one year parts warranty
- Interlocked safety doors provide for operator safety, easy access and operational visibility
- Interlocked safety doors manufactured of high quality Lexan® polycarbonate
- Optional self-monitoring diagnostics through a color touchscreen HMI
- All Polypack machines are engineered to operate 3 shifts per day, 7 days per week

innovation

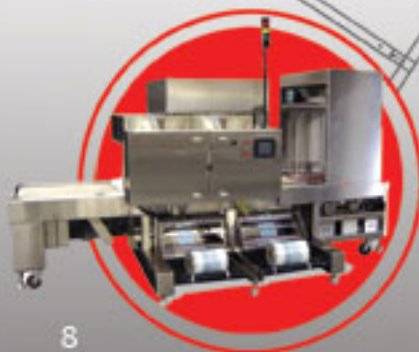
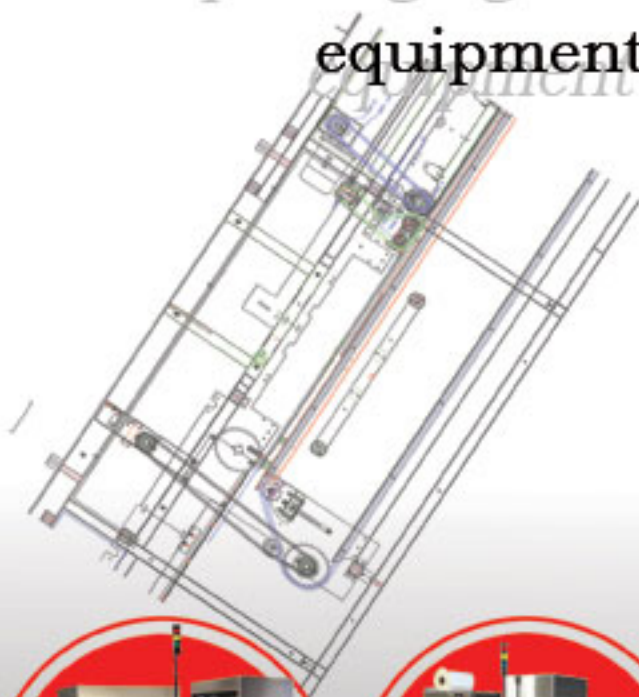
in packaging
equipment

Standard safety features

- o Mushroom emergency stop
- o Machine shut down if a safety door is opened

Selected features of our optional system diagnostics

- o Plant personnel "alert" lights
- o Low air pressure sensor
- o Machine heating indicator
- o AC drive fault
- o Motor overload fault



Company information

For over 4 decades, Polypack has supplied the finest shrink-wrapping and bundling equipment to many companies in the beverage, dairy, personal care and food processing industries. Polypack continues to innovate by integrating stainless steel construction in all of their multi-packers, tray bundlers, tray loaders and industry specific shrink packaging machinery. These machines are engineered to be rugged, providing users with quick and efficient changeovers and maximum up-time.



EQUIPMENT

- Total closure forming head wrappers
- Sleeve wrap (bullseye) shrink wrappers
- High speed shrink wrappers
- Fully automatic tray loader/formers
- Automatic label orientation
- Patented robotic pick and place systems
- Print registered bundlers
- Carry handle application
- Tape multi-packers

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