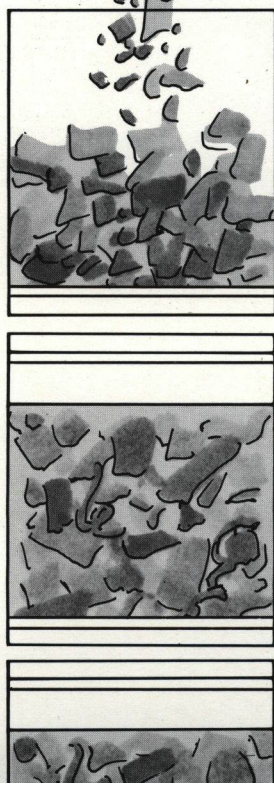




KEY·PAK



**VERTICAL
FORM/FILL/SEAL
MACHINES**



Innovative Simplicity

KEY-PAK

VERTICAL FORM/FILL/SEAL MACHINES

KEY-PAK Vertical Form/Fill/Seal machines are an extension of specialized packaging equipment manufactured by Research & Development Packaging Corporation. When installing KEY-PAK equipment in your production line, you will receive the benefit of many years of experience in building machines for a wide variety of special applications where expertise in the efficient handling of products is the key to a successful packaging operation.

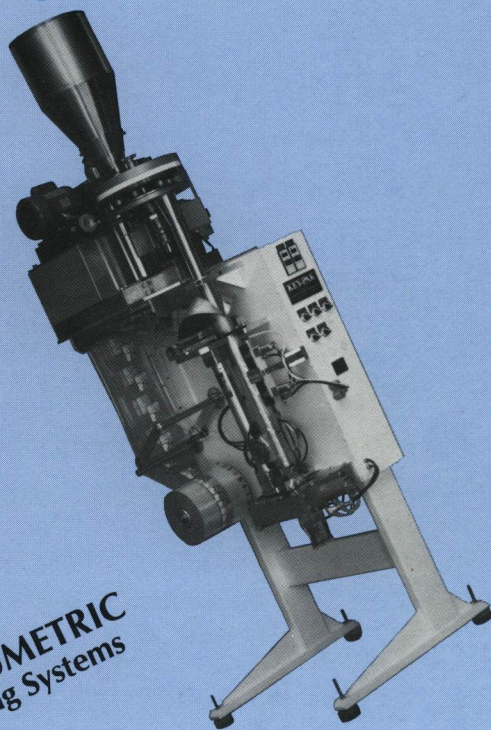
This machine is used to package free flowing products such as beans, rice, IQF vegetables/fruits, grass seed, bird seed, dog food, cat litter, etc., into a bag. Interchangeable volume cups and finger tip fine control allow reliable and economical filling of many products. A Volumetric Filler offers speed, accuracy and economy and is easily adapted to any KEY-PAK Machine.

KEY-PAK proudly introduces the "Bag-in-Bag", an innovative single system approach which answers multiple questions. KEY-PAK's unique "Bag-in-Bag" concept forms, fills and seals a bag and drops the filled bag singly, or in multiples, into a master bag, which is then sealed. For applications such as, but not limited to, ground coffee for the airline, hotel, or restaurant industries, KEY-PAK offers the definitive answer.

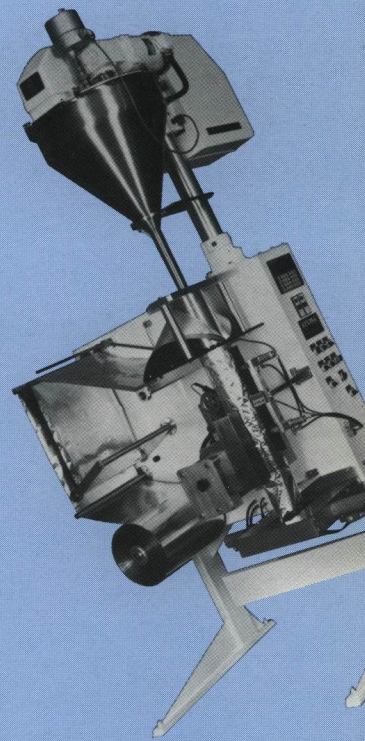
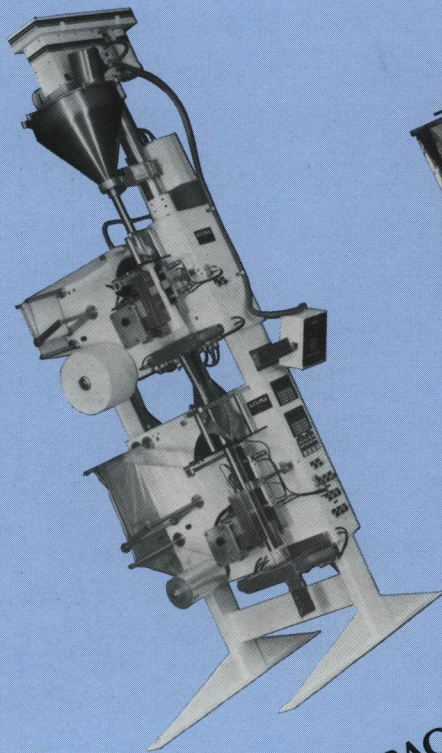
This machine is used to package free-flow and non-free-flow products such as powder, ground coffee, coffee beans, seasoning, grated cheese, fertilizer, cocoa, tea, etc., into a bag. An Auger Filler offers speed, accuracy and economy and is easily adapted to any KEY-PAK Machine.

This machine is used to package soups, sauces, gels, greases, etc., into a bag. Hot filling is possible, serving the food, cosmetic, pharmaceutical, chemical industries, even viscosities, even routinely handling Liquid Filler of any KEY-PAK Machine.

VOLUMETRIC
Filling Systems



BAG-IN-BAG
Packaging Systems

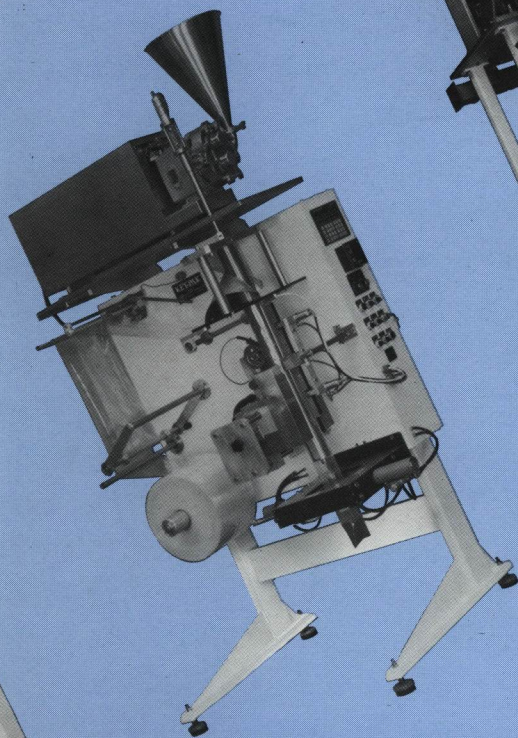


AUGER
Filling Systems

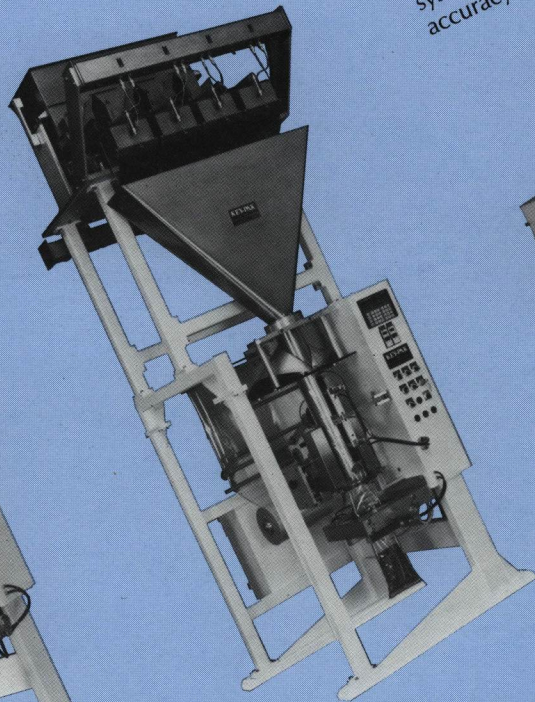
package
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and is easily adapted
AK Machine.

This machine is equipped with a KEY-PAK Microprocessor Controlled Net Weight Scale System which offers ultra-precision weighing of free flowing products such as candy, nuts, snack foods, IQF foods, seeds, popcorn, shredded/grated cheese, etc., into a bag. Single or multi-lane scales are available with guaranteed zero under weight accuracies. Combinational scale systems are also available for ultra-high speed/accuracy requirements.

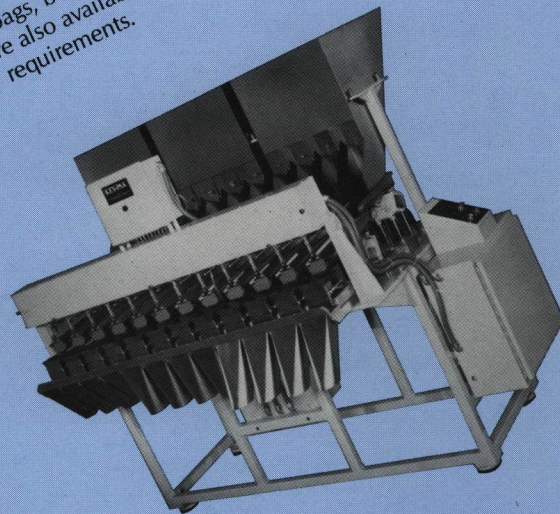
Available with one to twelve or more lanes, this KEY-PAK system guarantees ultra-precision weighing of free flowing products such as candy, nuts, snack foods, IQF vegetables/fruits/grated meat/pasta, seeds, popcorn, shredded/grated cheese, etc. Offering superb speed in multi-lane configurations, this scale may be interfaced with automatic machines to fill individual containers, or used as a stand alone unit to fill operator held pre-made bags, boxes, etc. Combinational scale systems are also available for ultra-high speed/accuracy requirements.



LIQUID
Filling Systems



NET WEIGHT
Filling Systems



NET WEIGHT
Floor Mounted Filling Systems

UGER
g Systems

DESIGN SIMPLICITY

Clean lines, open sanitary structure, to provide immediate accessibility for quick change over of film and maintenance allowing for maximum production capability. Replacement parts are kept to an absolute minimum.

RUGGED CONSTRUCTION

Heavy duty framework for machine stability using high quality, commercially available components wherever

possible. A durable white enamel finish is standard. Parts in contact with film or product are stainless steel. Superior reliability is obvious.

COMPACT

Maximum use of valuable floor space. Low profile to be adapted to existing facilities where "headroom" may be a consideration. Unique discharge for finished packages makes possible removal in four directions from production area, thus, fits into all plant layouts with minimum of expensive reorganization and/or relocation of existing machinery.

OPERATOR SET-UP

All control adjustments for bag maker and filling equipment are within easy operator reach. Film and product changeover are accomplished in minutes. Set up and maintenance can be performed by normally assigned operating line personnel.

KEY-PAK

VERTICAL FORM/FILL/SEAL MACHINES

A FILM CHANGE

Easily accessible film arbor and open design allow quick changeover and rapid film threading throughout web path. Swing away seam seal assembly facilitates final threading around forming tube.

B FILM ADVANCE

Motorized belt driven style film advance for variable bag lengths within the range of specific machine capacity, with speeds to 120 bags per minute, dependent upon filler, product and film.

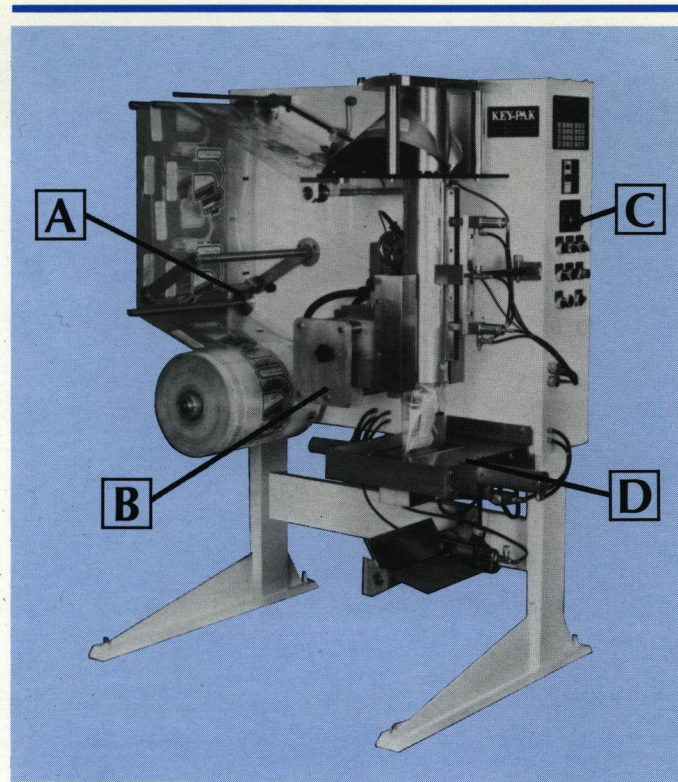
Printed film is easily sequenced through electric eye registration while random print/unprinted films are controlled by an encoder which measures actual film advance, insuring exact bag length every cycle.

C CONTROL PANEL

Mounted in main frame with simple, easy to use heat and filler controls, positioned for the most efficient use of operator time. A keystroke entry into the programmable controller sets speed, sequencing, bag length, and specialized commands. The operator can observe and control all parts of the machine within five paces.

D END SEALING JAWS

Teflon coated jaws mounted in stationary frame pneumatically controlled for sealing and cutoff. Movement of jaws is limited to two horizontal strokes for maximum life and efficiency. Resistance sealing is standard and used for supported film (laminated, metallic, etc.). Impulse sealing for polyethylene film is optional.



OPTIONAL FEATURES

- Change parts for multiple web widths
- Electric eye registration
- Impulse sealing for polyethylene film
- Combinational resistance/impulse sealing
- Wash down construction
- Code dating
- Intake conveyors
- Take away conveyors
- Static eliminators
- Bag deflators
- Hopper loaders
- Hole punch
- Printers—hot stamp/ink
- Gas flush
- Interface with existing fillers
- Gusset attachment
- Perforating end seal for strip packaging
- Bag notching
- Hopper level control
- USDA approved construction/paint

Model		V200B	V300B	V350B	V400B
Film Roll	Max. O.D./Core I.D.	15"/3"	15"/3"	15"/3"	15"/3"
Maximum Web Width		10"	18"	25 1/4"	32"
Bag Size	Min.	1" x 1 1/2"	1" x 1 1/2"	2" x 4"	2" x 4"
	Max.	4 1/2" x 12"	8 1/2" x 16"	12" x 24"	15" x 30"
Overall Dimensions W x D x H*		42" x 33" x 64"	46" x 40" x 69"	57" x 60" x 86"	72" x 72" x 108"
Air Consumption* *		.1 SCFM @ 80 PSI	.15 SCFM @ 80 PSI	.3 SCFM @ 80 PSI	.4 SCFM @ 80 PSI

*Filler not included. Dimensions may vary on actual machines. Floor plans will be provided for customer planning.

*SCFM per machine cycle



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