

FEMC®

INNOVATIVE
PACKAGING MACHINERY

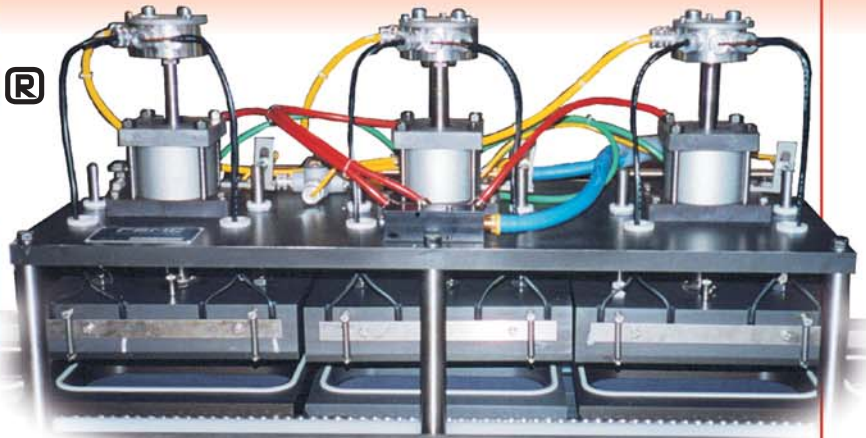
PLATEN HEAD HEAT SEAL ROLLER DRUM HEAT SEAL

PLATEN HEAD HEAT SEAL

Best suited for sealing films that require extended sealing times and greater sealing pressure. Platen Head Heat Seals are also used in modified atmosphere packaging and indexing conveyor applications.

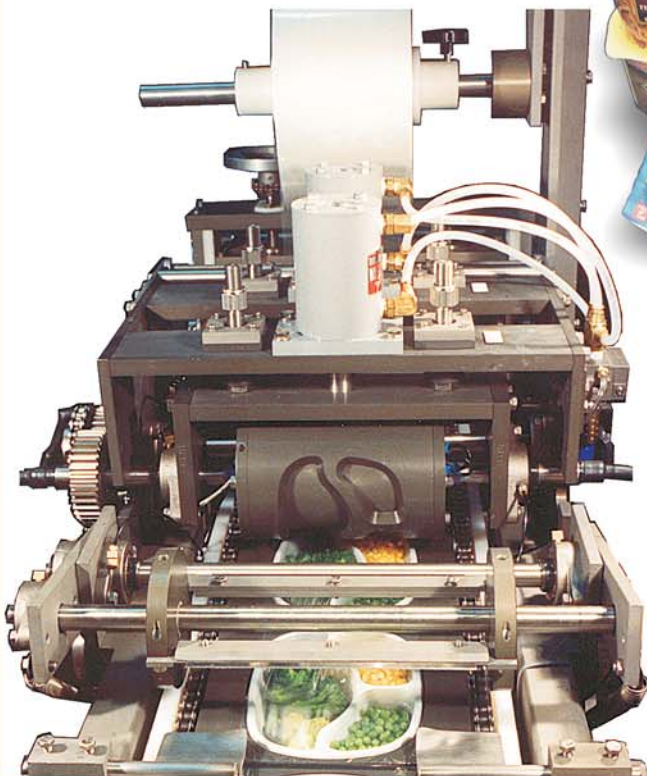
ROLLER DRUM HEAT SEAL

Best suited for sealing films that do not require extended sealing times. This allows the Roller Drum Heat Seal to operate at high speeds in continuous motion.



KEY BENEFITS

- Accurate, positive seals with optional printed film registration
- Rugged and reliable
- Easy to operate and maintain
- Straightforward operator controls minimize errors and speed-up container/film changeovers



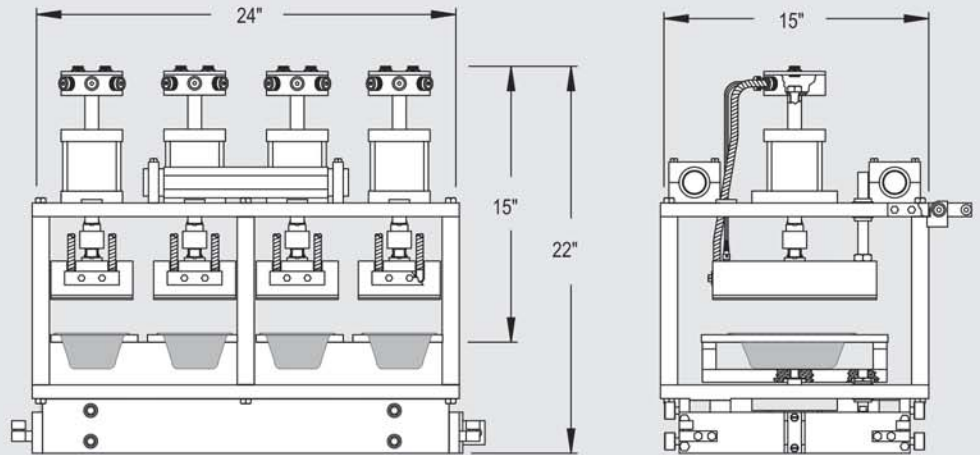
Heat Seals - General information

Platen Head Heat Seals

The Platen Head Heat Seal is best suited for heavy sealing films or high-temperature, ovenable films that require extended sealing times and greater sealing pressure. The temperature, pressure and dwell time of each sealing head is independently controlled ensuring the best possible seal for every container. In addition, Platen Head Heat Seals are available in both intermittent and continuous motion configurations. One is certain to be right for your application.

Under optimal conditions, a single head, intermittent motion Platen Head Heat Seal is capable of sealing a maximum of 50 containers per minute.* Utilizing multiple heads and/or multiple lanes, FEMC can manufacture systems capable of meeting even the most demanding production requirements. Platen Head Heat Seals can be configured to withstand water washdown and meet USDA or 3-A Sanitary (dairy) requirements. Other modifications may be ordered which allow a Platen Head Heat Seal to operate in non-washdown environments.

- Frame constructed of Type 304 Stainless Steel continuously welded and glass bead blasted
- All components located in the product zone are manufactured from stainless steel, or USDA/3-A Sanitary (dairy) approved plastics.
- Standard tray carriers are manufactured from hardcoated aluminum for long life
- Extended pin link chain rides on UHMW track
- 2 heater rods per head independently PLC controlled
- NEMA 4X enclosure
- Type 304 stainless steel guards



Typical Platen Head Heat Seal configuration with four (4) independently controlled sealing heads

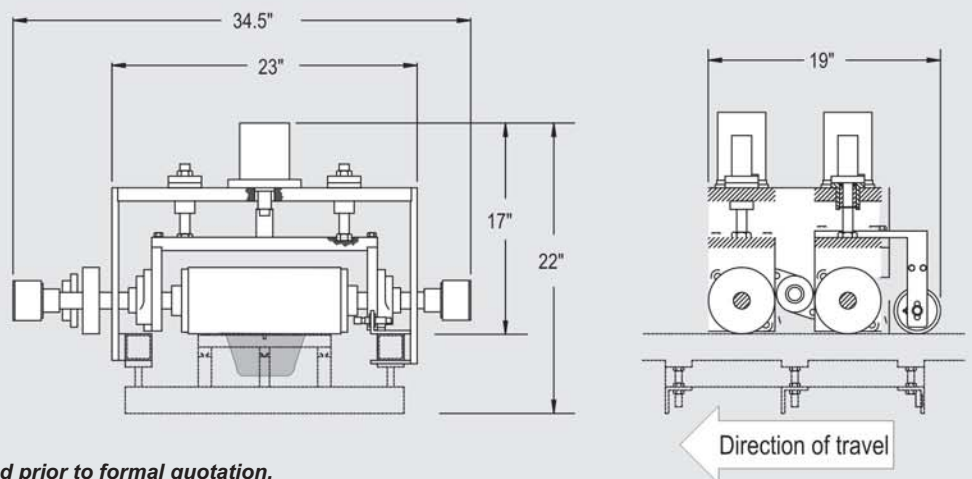
* Film and container samples must be provided prior to formal quotation.

Roller Drum Heat Seals

The Roller Drum Heat Seal is best suited for the sealing of lighter films and lids to a variety of plastic, aluminum, paperboard and PET trays. Because of the shorter sealing times, the Roller Drum Heat Seal can operate at higher production speeds, making it a very cost effective solution.* The best possible seal for every container is ensured by placing at least two (2) specialized, but different, sealing drums in contact with each container – a feature unique to FEMC Roller Drum Heat Seals. The temperature and pressure of each sealing drum is independently controlled.

Under optimal conditions, a single lane Roller Drum Heat Seal is capable of sealing a maximum of 150 containers per minute. Utilizing multiple rollers and/or multiple lanes, FEMC can manufacture systems capable of meeting even the most demanding production requirements. As with all FEMC equipment, Roller Drum Heat Seals can be configured to withstand water washdown and meet USDA or 3-A Sanitary (dairy) requirements. Other modifications may be ordered which allow a Roller Drum Heat Seal to operate in non-washdown environments.

- Frame Constructed of Type 304 Stainless Steel continuously welded and glass bead blasted
- All components located in the product zone are manufactured from stainless steel, or USDA/3-A Sanitary (dairy) approved plastics
- Extended pin link chain rides on UHMW track
- NEMA 4X enclosure
- Type 304 stainless steel guards



* Film and container samples must be provided prior to formal quotation.

Options and accessories

- Type 316/316L Stainless Steel construction*For dairy and high acidity applications*
- Recessed sealing heads.....*Accommodates high product without damaging sealing heads or product*
- Interchangeable carriers*Allows for "tool-less" product changeovers*
- Interchangeable heater heads/rollers.....*Allows for product changeovers*
- Die cut film blade.....*Shapes film/removes excess*
- Film registration*Allows for accurate printed film placement in relation to the container*
- Dual roll stock feed*Allows operator to keep one roll of film stock pre-loaded ahead of need*
- Pre-cut lid placer.....*Reduces daily production expenses by eliminating the scrap which results from die-cut options*

Platen Head Heat Seal only

- Modified Atmosphere Packaging System.....*Extends the shelf life of sealed product*
- Multiple Sealing Heads (see chart below)*Increases production speeds*
- Time, Pressure And Temperature Recorder*Keeps a record of critical machine parameters over time*

Speed vs. number of sealing heads					
Description	Speed	Length	Width	Height	Weight
1 Head, Single Lane	40 cpm	5'	21"	55"	1300 lbs.
2 Head, Single Lane	60 cpm	6'	21"	55"	1600 lbs.
3 Head, Single Lane	90 cpm	8'	21"	55"	2100 lbs.
4 Head, Single Lane	120 cpm	10'	21"	55"	2600 lbs.
8 Head, Dual Lane	240 cpm	10'	42"	55"	4200 lbs.

Actual speed may vary depending on container and lidstock used

Height is from the floor to the top of the sealing carriage

HMI (Human to Machine Interface) options

FEMC Heat Seals are controlled by a PLC (programmable logic controller) and our standard QuickPanel or Panelview interfaces. Optionally, systems may also be controlled via a laptop or a networked connection to your plant operations controller. Each of the three heat sealing variables (time, temperature and pressure) are independently controlled via the PLC. In addition, other aspects of the system's operation, such as speed of the line, no-container/no-seal and custom configured presets are implemented via the interface.

Seal and Peel

Dual lane paperboard container and board lid heat sealing system
 Speed: 80 cpm



FEMC Heat Seals

FEMC Rolling Head and Platen Head heat seals quickly and efficiently seal film lidstock to your containers at speeds up to 150 containers per minute per lane.* Temperature, speed and pressure are independently controlled and adjustable.

Heat seals can be designed to accommodate high product and are easily changed over if more than one product is to be run.

FEMC Heat seals are designed to operate reliably no matter what your plant's environment and can be designed to withstand water washdown. Heat seals may also be constructed to meet USDA and/or 3-A Sanitary (dairy) requirements.



Specifications (Platen Head Heat Seal)

Model no:1263 (intermittent motion) 1192 (continuous motion)
Speed:50 CPM/head/lane* (max)
Approximate weight (single head unit):.....1300 lbs.

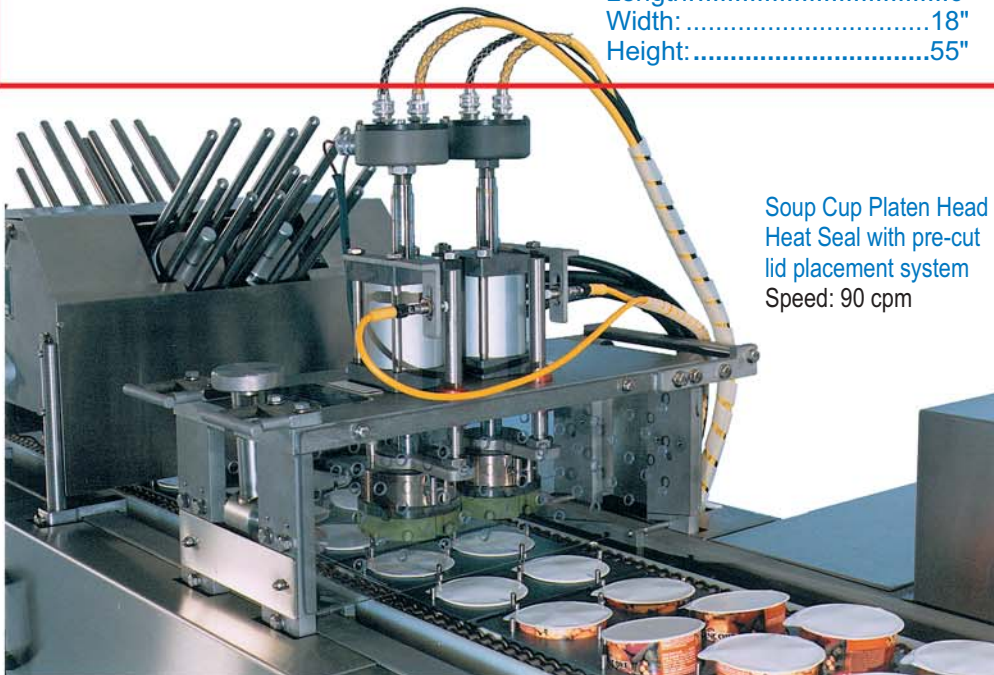
Requirements: (electrical) 120V/220V/480V
 (air) 80 psi, 1½" N.P.T. supply

Specifications (Rolling Head Heat Seal)

Model no:1159
Speed:150 CPM/lane* (max)
Approximate weight (single head unit):.....1700 lbs.

Requirements: (electrical) 120V/220V/480V
 (air) 80 psi, ¾" N.P.T. supply

Length:.....6'
Width:18"
Height:.....55"



Soup Cup Platen Head Heat Seal with pre-cut lid placement system
 Speed: 90 cpm

Proven products and applications



...and more!

FEMC[®]
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 PACKAGING MACHINERY

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* Container and film samples required prior to formal quotation