

Model 2090

Industrial Horizontal Form, Fill and Seal
Packaging System

**Product cost reduction.
Increased production.**

PROFIT... in the Bag™

Bagging automation
reduces labor and
bag costs while
improving production.
When automating
with Hamer
...profit is in the bag.™

Hamer
Model 2090

Hamer LLC

Next-generation engineering for greater speed, increase and expanded packaging versatility.

Durable

From the ground up the Hamer Model 2090 has been designed to improve uptime and production throughput. From the new main belt path to bag size changes, operator interaction has been significantly reduced. Our exclusive double sealed, self-cleaning pulley design requires no adjustment and keeps contaminants away from the belt path bearings. Combining these next-generation design enhancements with a 50% reduction in wear parts, heavy duty air cylinders and an all new fill opening design, the Model 2090 brings industrial plant bagging automation into the 21st century.



Double sealed pulleys

Specifically designed to support a wide variety of bag sizes with minimal hardware changes, the Model 2090 with QuikAdjust™ reduces the bag change time required by previous HFFS machines or by vertical FFS machines by over 200%. Now even complex changes can be accomplished in less than 20 minutes. No other form, fill and seal machine can even come close.

Hot air sealing of bag tops has many benefits in industrial bagging. Fewer wear parts and efficient sealing (even with high dust products) are just a few. The new heat sealer design in the Model 2090 incorporates all we've learned in over 25 years of HFFS design. Double sealed bearings, reduced wear parts and a self opening feature opens the heat sealer when no bag is present. It automatically closes and is ready to seal the moment a bag is presented. By opening the sealer, pressure is removed from belts, pulleys and bearings, significantly increasing component life and reducing down time for maintenance. An optional bag jam detector can be added to stop a bag that is too full.



Model 2090 bag top sealer



Model 2090 pictured with optional second vertical roll holder.

ased throughput

Versatile

Built with a modular frame, the 2090 is the most flexible large bag packaging machine available today. A wide range of bag and machine options can be added during initial machine build or after installation as field add-ons. From date coding to on-demand printing or reclosable zippers to bag handles, now you can get custom bag features and the cost-saving benefits provided by bagging automation.



On-demand thermal transfer printing

Easy to operate

For automation to be successful in your plant your operators need to be able to use the machine effectively. All Hamer equipment operates under the same basic design principle... keep it simple. The Model 2090 features improved operational software and a significant reduction in operator adjustments. These next-generation improvements speed training and improve production efficiencies. With the 2090, your operators can set it and forget it.



Revolutionary second roll holder; more uptime, eases machine operation

- Pre-stage film for fast film changes
- Pre-stage film for fast bag size or product changes



Fast

We call it MaxFill™. The all new chute and jaw design featured on the model 2090 provides more product volume than any other design. Maxfill™ gets more product into the bag, faster.

State of the art electronics and an all new belt path and jaw design complete the package. It's the fastest horizontal form, fill and seal available.

Bag types, closures and handle options

Bottom Gusset

Three to six inch bottom bag gusset.



Zipper

Press-to-close reclosable seal. Can include an easy-open perforation.



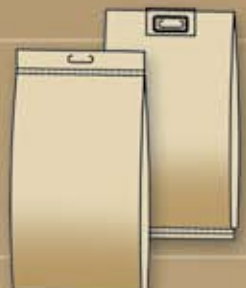
Top Trimmed

Top two inches of bag removed.



Miter Corner

45° seal across corner improves pallet wrapping, reduces corner damage



Handle

A variety of bag handle styles are available.

Model 2090 Industrial Horizontal Form, Fill and Seal Packaging System

STANDARD FEATURES:

- Up to 34 BPM
- 24 VDC solid state controls
- UL listed NEMA 12 control panel
- MaxFill™ chute maximum product volume
- Simplified operator touch panel
- Bag counting, operational alarms & diagnostics
- Hand held remote operator control
- SEW euro-drive motors
- Vertical roll holder with pneumatic core chuck
- Top frame mounted internal components
- Automatic heat sealer with auto-open
- 304 stainless steel product contact points
- QuikAdjust™ chute adjustment for fast bag size change
- Heavy duty hardened self-cleaning dual sealed pulleys
- Pre-fill, post-fill bag staging for added seal integrity
- Variable speed AC motors on heat sealer
- Double heat seal top seal with knurl for seal integrity
- Zinc dichromate plated internal components
- Extended length bag top seal cooling plenum
- Heavy duty powder coated 4" structural steel frame


OPTIONS:

- Second vertical roll holder
- EZ Load II™ horizontal roll holder
- JamControl™ overfilled bag detection
- Side of bag settler
- Bag settling conveyor
- Bag Handles:
 - Handle punch
 - Patch handle
 - Header/patch handle
- Machine enclosure doors/panels
 - Expanded Metal or Lexan®
- Bag coding
- Air removal devices
- On-demand thermal transfer printing
- Easy-open bag perforator
- Rotary bag top trimmer w/trim removal
- Mitered corner sealer (45° bag corners)
- Bottom gusset former, 3" to 6"
- Zipper
- Remote communications:
 - Ethernet, Web based, Modem
- 50Hz electronics
- Volumetric or net weigh dosing
- Full bag handling conveyors
- Fully automated palletizing and pallet wrapping



Second vertical roll holder option

SPECIFICATIONS:

Controls: NEMA 12 enclosure,  listed
Bag sizes range:
10¾" to 26" wide, up to 42" long
2 mil to 8 mil poly thickness
Film type: C-fold rollstock
Approximate machine size:
L 21' W 4' H 5'7"
Fill height 5'7"
Electrical: 240V, 3 Phase, 60 Hz, 40 FLA
Air: 35 CFM @ 80 PSI

Your authorized Hamer representative:

**Call Toll Free
1-800-927-4674**

Hamer LLC
AUTOMATED PACKAGING SYSTEMS

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Specifications are subject to change without notice.

