



NVENIA
A DURAVANT COMPANY

**HAMER BRAND MODEL 2090
INDUSTRIAL HORIZONTAL FORM, FILL & SEAL**

Next-generation engineering for greater speed, increased throughput 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.



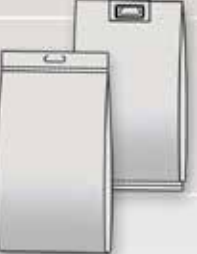
Combining these next-generation design enhancements with a 50% reduction in wear parts, heavy duty air cylinders and an all new fill opening design, the Model 2090 brings industrial plant bagging automation into the 21st century.

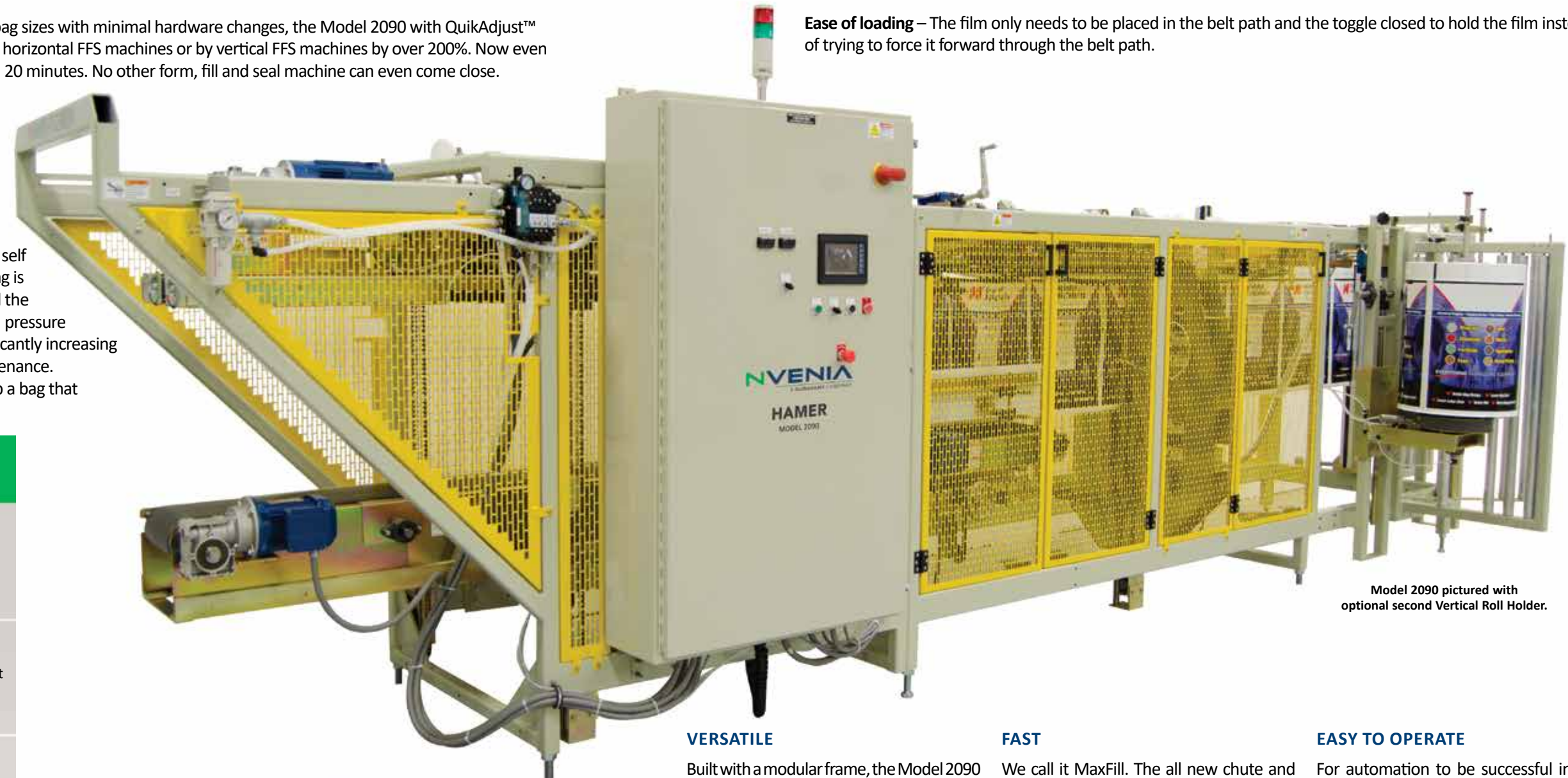
Specifically designed to support a wide variety of bag sizes with minimal hardware changes, the Model 2090 with QuikAdjust™ reduces the bag change time required by previous horizontal FFS machines or by vertical FFS machines by over 200%. Now even complex changes can be accomplished in less than 20 minutes. 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.

BAG TYPES, CLOSURES AND HANDLE OPTIONS

Bottom Gusset Three to six inch bottom bag gusset.	
Miter Corner 45° seal across corner improves pallet wrapping, reduces corner damage	
Top Trimmed Top two inches of bag removed.	
Handle A variety of bag handle styles are available.	



Model 2090 pictured with optional second Vertical Roll Holder.



Double Sealed Pulleys

PRACTICAL INNOVATION

Hamer Model 2090 reduces labor costs, improves production output while being easy to use, maintain & repair.

HANDS-FREE FILM LOADING PULLEY

Operator safety – The operator can be completely outside the machine to jog the first bag forward, eliminating the need to hold the film in the belt path as it gets jogged forward.

Ease of loading – The film only needs to be placed in the belt path and the toggle closed to hold the film instead of trying to force it forward through the belt path.

VERSATILE

Built with a modular frame, the Model 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.

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.

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.

FEATURES

- 24VDC solid state controls
- Simplified operator touch panel
- Bag counting, operational alarms & diagnostics
- Punched Metal Safety Enclosure with door interlocks
- UL Listed NEMA 12 control panels
- Hand held remote operator control
- SEW Euro-drive motors
- Five color spectrum photo eye with learn
- Top frame mounted internal components
- Automatic bag top heat sealer with auto-open
- 304 Stainless steel product contact points
- Single cylinder jaw assembly w/ easy change features
- Proprietary 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 with knurl for seal integrity
- 20" Integrated bag top seal cooling plenum
- Heavy duty powder coated 4" structural steel frame
- Zinc Dichromate plated internal components

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
- 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"
- Remote communications: Ethernet, Web based, Modem
- 400V, 3 Phase, 50Hz
- Volumetric or net weigh dosing
- Full bag handling conveyors
- Fully automated palletizing and pallet wrapping
- Machine exposure door/panels in Lexan

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

ROLL HOLDER OPTIONS



PowerLift™
Roll Holder Option



EZ Load II™
Horizontal Roll Holder Option