The Model 3100 represents the first all new design in harsh environment, large format horizontal form, fill and seal machines in over a decade. Challenging existing designs while incorporating dozens of performance enhancing improvements, the 3100 provides hands free operation, enhanced bag handling, bag sealing and throughput. It's simply the fastest, easiest to run and most durable machine available.
The Model 3100 Extreme Duty is built tough for demanding plant environments. From its 6" structural steel powder coated frame to the ½" steel plate side weld assembly, every component of this machine is designed and built for long operating life in the most difficult plants. Abrasives, corrosives and other demanding products can be run with a minimum of maintenance.

The heart of any horizontal form, fill and seal is the film belt path. Using a unique belt path design with its exclusive double sealed, self cleaning pulleys, the 3100 offers the ultimate in bag control. When combined with its independently adjustable fill area conveyor, powered bag top sealer bag transfer and VFD controlled heat sealer bag conveyor there is simply no other machine that offers this level of bag control. From bag forming to filling and top sealing, Model 3100 Extreme Duty innovations ensure you get the best possible results, first bag and every bag.

One of the keys to bag sealing success with dusty, difficult handling products is Hamer’s proprietary dual bag staging process. After creating a bag in the side weld station we position this empty bag for a full station prior to fill. This allows the bag welds to cool, eliminating the potential for leakage. After filling the bag we also stage the bag. This provides needed time for product settling and allows our engineering team to introduce unique bagging functions such as cleaning of the seal area. Pre-fill and post-fill bag staging does not interfere with bagging speed.

**EZ Load™ Horizontal Roll Holder**
Uses up to a 40" diameter roll. Includes splicing station. May be placed at 90 degrees. Multiple roll holders can be used on a single machine.

**Bag Corner Sealer**
Creates a 45 degree seal across bag bottom corner. Eliminates shrink wrap tearing and bag corner damage during shipping.

**Bag Top Trimmer**
Trims top of film, creating top for consumer application.
All Hamer machines are engineered and built with the same operator goals in mind, making it easy to run and easy to maintain. A simple operator touch screen sets basic machine functions and provides production information and troubleshooting assistance. Mechanical adjustments are made using external hand controls. Fill opening, side weld, and other machine functions utilize a unique rack and pinion style control. All adjustments are metered to make it easy to go from one bag size to another, with precise settings every time.

### 3100 Standard Features include:
- Self Cleaning Bag Conveyors
- Integrated Bag Transition system
- Dual Bag Staging Pre-fill and Post-fill
- Heated/Selectable Bag Side Air Vent Perforations
- Hand-Held Remote Control
- Simple Touch Screen operator control
- Allen Bradley PLC
- Two Stage Fill/Seal Dust collection
- Double Sealed “dust proof” Belt Pulleys
- Horizontal and/or Vertical Film Holder
All Hamer machines are built with the same operator easy to run and easy to operator touch screen sets basic and provides production troubleshooting assistance. Settings are made using external cleaning, side weld, and other size a unique rack and pinion components are metered to make it bag size to another, with precise

**Features** include:

- Simple Touch Screen operator control
- Allen Bradley PLC
- Two Stage Fill/Seal Dust collection
- Double Sealed “dust proof” Belt Pulleys
- Horizontal and/or Vertical Film Holder

**Double-Sealed Pulley Design**
Proprietary pulley and mount design keeps contaminates from sealed bearings. Self cleaning conical design propels dirt and dust away from bearings. 4” diameter machined and hardened nickel plated.

**Bag Side Weld**
Side weld and all internal mechanics constructed of ½” steel. Rack and pinion controls, integral bag perforator with selectable air hole sizes.

**Self Cleaning Conveyor Belts**
Heavy duty belts with self cleaning head and tail pulleys. Easy access grease ports. Fixed exit length.

**Powered Bag Transfer**
Exclusive powered bag transfer ensures effective bag handling from fill opening to the hot air sealer. Heat sealer conveyor section “grabs” the bag as it transfers from filling station.
Model 3100
Extreme Duty Form Fill & Seal

Standard Features:
- Up to 30+ Bags Per Minute
- 24" Vertical Roll Holder
- Allen-Bradley PLC
- Touch Screen Operator Control
- 24VDC Controls with Solid State Fuses
- Self cleaning, double sealed pulleys
- Heavy duty self cleaning bag conveyors
- 6" structural steel tube frame, powder coated
- Internal components: ½" structural steel
- Self cleaning bag conveyor tail pulleys
- Proprietary powered bag transfer system
- Adjustable angel fill conveyor
- Operator safety gates, expanded metal
- 304 stainless steel product contact surfaces
- Heavy duty 4" dual sealed, self containing bearings
- Variable speed AC motors on bag conveyors
- External controls for all adjustments
- Side of bag needle perforations, adjustable
- Adjustable top seal air pressure fixtures
- 18" Hot air seal extension over bag
- Integrated 40" bag top seal coolers

Options:
- Automatic bag top seal cleaner
- Shaker Chute™ rock in-feed chute
- Dust removal in-feed chute
- EZ Load™ horizontal roll holder
- Handle Options
- Bag Bottom Gusset

Specifications:
- Bag sizes from 9" to 22" Wide, up to 120" high
- 2 mil to 8 mil poly thickness
- NEMA 12 control panel, UL Listed
- Shipping weight approx. 10,000 lb
- Approx. machine size: L 23' x W 5'
- Electrical: (1) 230V, 3 phase 60Hz, 30 HP
  Other power configurations available
- Air: (1) 40 cfm @ 80 psi. ¾" line motor
  Some options may increase air consumption

Toughest,
Most Dependable
Form Fill & Seal Available.

Your authorized Hamec使者
**Model 3100**

**Extreme Duty Form, Fill and Seal**

**Standard Features:**
- Up to 30+ Bags Per Minute
- 24” Vertical Roll Holder
- Allen-Bradley PLC
- Touch Screen Operator Control
- 24VDC Controls with Solid State Relays
- Self cleaning, double sealed pulleys and bearings
- Heavy duty self cleaning bag conveyors
- 6” structural steel tube frame, powder coated
- Internal components: ½” structural steel, zinc dichromate plated
- Self cleaning bag conveyor tail pulley
- Proprietary powered bag transfer from fill to hot air seal
- Adjustable angel fill conveyor
- Operator safety gates, expanded metal with cut offs
- 304 stainless steel product contact points
- Heavy duty 4” dual sealed, self cleaning dust tight pulley assembly
- Variable speed AC motors on bag conveyors and heat sealer
- External controls for all adjustments, scaled for repeatability
- Side of bag needle perforations, heated for better perforation control
- Adjustable top seal air pressure for precise pressure control
- 18” Hot air seal extension over bag transfer conveyor
- Integrated 40” bag top seal cooling

**Options:**
- Automatic bag top seal cleaner
- Shaker Chute™ rock in-feed chute
- Dust removal in-feed chute
- EZ Load™ horizontal roll holder
- Handle Options
- Bag Bottom Gusset

**Specifications:**
- Bag sizes from 9” to 22” Wide, up to 33” long
- 2 mil to 8 mil poly thickness
- NEMA 12 control panel, UL Listed
- Shipping weight approx. 10,000 lbs
- Approx. machine size: L 23’ x W 5’ H 5’
- Electrical: (1) 230V, 3 phase 60Hz, 60 amp
  - Other power configurations available
- Air: (1) 40 cfm @ 80 psi. ¼” line minimum.
  - Some options may increase air consumption

**System Options:**
- Dosing by weight or volume
- Bag handling conveyors
- Automatic bag palletizing
- Turnkey packaging systems

**Your authorized Hamer representative:**