



## Horizontal Pillow Packaging Machine

This machine is an industrial **Horizontal Pillow Packaging Machine** (widely known as a **Horizontal Flow Wrapper** or **HFFS** machine).

This is exactly the type of system described at the very beginning of our conversation, showing the full linear layout from in-feed to final package discharge.



### **How This Machine Functions**

The machine wraps solid products in a continuous horizontal flow, moving from left to right:

- 1. In-feed Feeding Conveyor (Left):** Products are loaded manually or automatically onto the long, flat conveyor bed on the left. Integrated pushers (lugs) ensure each item is perfectly spaced and timed before entering the wrapping zone.
- 2. Film Feeding & Tube Forming (Center-Bottom):** A roll of flat packaging film is mounted on the lower shaft underneath the feeding line. As the film is pulled upward, it passes through a metal forming collar (forming tunnel) right where the conveyor ends, wrapping around the moving products to create a continuous plastic tube.

3. **Longitudinal Fin Sealing (Center):** Driven rollers grip the overlapping edges of the film under the product, heat-sealing them together to form the continuous lengthwise back seam (the fin seal).
4. **End Sealing & Rotary Cutting (Right):** The film tube containing the product moves into the tall tower on the right. Inside, synchronised rotary sealing jaws clamp down between the items to create the end seals and instantly slice the film apart with an internal blade.
5. **Discharge (Far Right):** The completed, individual "pillow-style" packs exit the machine onto a short out feed chute on the far right.

### Key Features Visible in the Image

- **Bottom-Film Feed Configuration:** Mounting the film roll *underneath* the feeding line is often preferred for packaging irregular, sticky, or fragile items (like multi-packs of biscuits, vegetables, or soft hardware pieces) because the product rests directly on top of the film as it moves, preventing jamming.
- **Integrated Control Console:** The central grey housing features an angled control panel equipped with a digital PLC touchscreen, analog temperature controllers for the sealing jaws, and mechanical push-buttons for quick line adjustments.
- **Mobile & Stationary Hybrid Base:** The main sealing unit is built onto smooth-rolling caster wheels for easy factory floor positioning, paired with adjustable, heavy-duty leveling feet on both the conveyor legs and main frame to lock the entire line rigidly into place.
- **Clean B2B Aesthetic Panels:** Features dual-tone stainless steel and maroon-painted service panels with recessed handles, allowing quick access to internal servo drives, chains, and electrical wiring.

### Common Industry Uses

This is the ultimate workhorse machine for fast-moving consumer goods (FMCG). It is used globally to package individual chocolate bars, biscuits, snack cakes, bar soaps, scrubbing sponges, hotel wet wipes, and small trayed items.

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