



## Continuous Inline Thermoforming Vacuum Packaging Machine



(commonly known as a **Roll stock Packaging Machine**).

It features an identical structural architecture to the "350.jpg" model seen earlier, operating as an all-in-one packaging line that dynamically creates custom plastic tray pockets out of raw film rolls rather than feeding pre-made containers.

### How This Machine Functions

The machine forms, loads, seals, and cuts packages in a single, continuous linear progression from right to left:

- 1. Pocket Thermoforming (Right Side):** A roll of lower flexible or semi-rigid forming film (visible on the bottom right reel) is continuously fed into the machine. It passes under a heating panel and is vacuum-moulded into custom tray cavities.
- 2. Product Loading Zone (Center-Right):** The newly formed pockets move horizontally along an open track where products are loaded manually or via automated robotic systems.
- 3. Vacuum Sealing Chamber (Center):** A secondary roll of upper lidding film (mounted horizontally on the front of the main central housing) is fed over the loaded pockets. The pockets enter the main enclosed vacuum chamber where air is fully evacuated, protective gas is optionally injected (MAP), and the top film is heat-sealed to the perimeter of the trays.
- 4. Trimming & Cutting (Left Side):** The continuous web of sealed packages moves to the cutting station, where circular and crosswise blades trim away the excess film margin and cut individual packs apart.

5. **Scrap Collection & Output (Far Left):** The leftover waste film edges are tightly wound onto dual motorised recycling reels at the far left, while the fully completed, individual vacuum packs are ejected onto an output conveyor.

## Key Features Visible in the Image

- **Dual Film Spools:** The machine utilises two distinct material inputs: the lower forming film roll on the far right and the upper lidding film roll mounted right in front of the central vacuum tunnel.
- **Swivel Control Console:** A digital PLC touchscreen HMI is mounted onto a heavy-duty mechanical swivel arm above the central chamber, allowing operators to monitor sealing temperatures and vacuum cycle metrics from either side of the line.
- **Safety & Status Indicator Tower:** A multi-tiered red/amber/green warning light sits atop the main sealing assembly to provide instant visual line-status feedback to operators across a busy production floor.
- **Heavy-Duty Industrial Chassis:** The massive, elongated system is entirely enclosed in smooth-panel food-grade stainless steel cabinetry, supported by heavy caster wheels for installation mobility and adjustable mechanical levelling jacks for rigid floor stabilisation.

## Common Industry Uses

This continuous-roll stock style machine is the gold standard for high-volume B2B food production and medical supplies. It is widely used to automatically package hot dogs, sausages, cheese blocks, sliced deli meats, fresh steaks, frozen fish, and sterile medical devices like syringes.

# MAY HARVEST SOLUTIONS FZE LLC

26th Floor, Amber Gem Tower, Ajman, UAE

Mob: +971 563831007 / Tel: +971 (0) 6 579 0321

Email: [jose@mayharvestsolutions.com](mailto:jose@mayharvestsolutions.com) | website : [mayharvestsolutions.com](http://mayharvestsolutions.com)