



# Double Chamber Vacuum Packaging Machine

(often referred to as a **Heavy-Duty Dual-Chamber Vacuum Sealer**).

Unlike continuous conveyor or inline systems, this is a highly efficient batch-processing machine featuring a unique **swing-lid mechanism** designed to maximise production speed by eliminating downtime.



## How This Machine Functions

The machine features two identical, flat working beds on a single chassis sharing one heavy vacuum hood that pivots back and forth:

1. **Dual-Side Loading:** An operator loads products inside pre-made plastic vacuum pouches and lays them flat on the open bed (visible on the left). The open necks of the pouches are aligned flat across the long internal heating/sealing bars.
2. **The Swing-Lid Cycle:** While the operator is loading the left bed, the massive stainless steel hood is clamped down over the right bed, actively performing a vacuum and seal cycle.

- 3. Deep Vacuuming & Sealing:** Inside the closed chamber, a high-capacity internal rotary vane pump aggressively evacuates the air. Once the preset vacuum level is achieved, the integrated sealing bars heat up under pneumatic pressure, welding the bags shut.
- 4. Continuous Alternation:** As soon as the right cycle completes, the hood pops open automatically. The operator swings the entire hood assembly via its heavy counterbalanced pivot arms over to the newly loaded left bed and presses it down.
- 5. Unloading & Reloading:** While the left side is vacuuming, the operator unloads the finished, air-tight packs from the right side and instantly reloads it with a fresh batch. This creates a non-stop, highly efficient workflow.

## Key Features Visible in the Image

- **Robust Swing-Arm Pivot Mechanism:** The heavy stainless steel hood is mounted to thick, dual-linkage metal swing arms. This balanced geometry allows operators to effortlessly swing the massive dome back and forth between beds all day without fatigue.
- **Dual Sealing Bars Per Chamber:** On the open left bed, you can clearly see the long, dual-line sealing configuration. Having sealing bars on both the front and back edges of a single bed allows you to line up twice as many small bags per cycle.
- **Integrated Analog and Digital Control Hub:** The front panel houses a specialised control cluster featuring a circular mechanical vacuum pressure gauge (for real-time atmospheric tracking) alongside a digital PLC touchscreen to program precise sealing heat, vacuum dwell time, and cooling delays.
- **All-Stainless Mobile Design:** Built with high-grade, polished stainless steel for easy wash downs. It sits on heavy-duty, 360-degree caster wheels to easily roll around a processing room floor, complete with integrated foot locks.

## Common Industry Uses

This model series (typically indicating a **600mm or 800mm sealing bar width**) is an absolute workhorse for small-to-medium food factories, commercial butcher shops, and seafood packers. It is ideal for wholesale vacuum-packing of whole chickens, large cuts of meat, sausages, wheels of cheese, bulk nuts, and marinated B2B products.

## 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)