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Hybrid Pro T680

MAP · Seal-Only · VSP with Modified T680

HIGHER FRESHNESS.
GREATER POSSIBILITIES.



MAP
UP TO 20 CYCLES/MIN

VSP
MODIFIED T680 REQUIRED

Seal-Only
FAST, SIMPLE SEALING

25
Cycles/min
MAX. SEAL-ONLY SPEED

4
Cavities
STANDARD TOOLING

≥99%
MAP gas replacement rate

IP65
Whole-machine rating



Fresh Meat



Seafood



Fresh Fruits & Vegetables



Ready Meals

Your Product. Your Packaging Setup.

Tell us your product, tray format and packaging requirements.
We'll define the packaging setup for your application.

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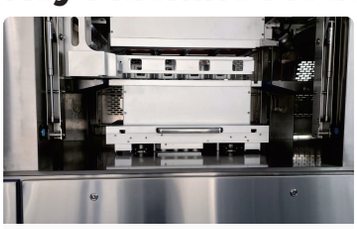
Hybrid Pro T680

Technical Overview

For MAP and seal-only. VSP requires a modified T680 configuration.

Key Machine Modules

Real T680 Machine Details



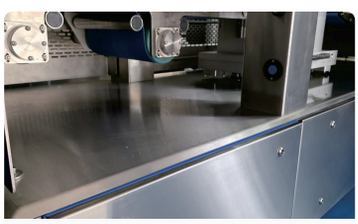
Core Working Area



Dedicated Tooling Cart



Machine Interior



Area Below Tooling

Technology Highlights

Closed-Chamber Vacuum Replacement
Vacuum evacuation, then gas filling. Gas replacement rate: ≥99%.

Precision 3-Gas Mixing
Use gas replacement rate for $O_2/N_2/CO_2$ blends. O_2 is part of the recipe.

Multi-Servo Automation
Continuous servo tray feeding, positioning and transfer.

Quick-Change Tooling
One operator, no tools. Dedicated tooling cart. See timings below.

Typical MAP Process Flow



Tray Loading



Positioning



Vacuum



Gas Filling



Sealing



Discharge

Schematic sequence · application-dependent

Cleaning below the tooling
Limit water rinsing to the waterproof, drained area below the tooling.

Technical Specifications

Modified Atmosphere Packaging (MAP)	15–20 cycles/min	**Vacuum Pump Capacity**	200 m³/h standard
Vacuum Skin Packaging (VSP)	Up to 12 cycles/min*	**Separate Pump Options**	300 m³/h capacity · Busch brand
Seal-only	Up to 25 cycles/min	**Power**	15.5 kW
Standard Tooling	Four-cavity tooling	**Air Pressure**	0.5–0.7 MPa
Sealing Area	680 × 320 mm	**Voltage**	380 V / 3-phase / 50 Hz (customizable)
Max. Film Width / Roll OD	400 mm / 300 mm	**Main Machine Dimensions (L × W × H)**	3019 × 1122 × 2291 mm
Gas Replacement Rate	≥99%	**Net Machine Weight**	Approx. 2,000 kg
Residual O_2 (one- or two-gas replacement tests)	< 0.5%	**Install one set with no tooling fitted**	5–8 min
Gas Mixing Accuracy	±2%	**Remove fitted tooling and install another set**	Approx. 15 min
Whole-Machine Ingress Protection	IP65	**Change format and recipe**	Approx. 30 min

* VSP is available only with a modified T680 configuration and four-cavity tooling.
Cycle rates depend on the product, tray, lidding film, gas mix and settings. Ask about other tooling layouts and voltages.

Premium Components



SUS304
Stainless Steel



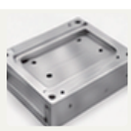
Busch
Optional pump brand



SMC
Pneumatics



Schneider Electric
Controls



6061 Aluminum
Tooling

Tell Us Your Product. We'll Define the Packaging Setup.

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