

Fully Automatic Thermoforming (Form Fill Seal) Packaging Machine TPM 1000



- The machine has a compact design. It is small, simple and very easy to use. Only plug in and enjoy the packaging.
- It's ideal for companies that make production in small capacities or have limited space for production. It offers an excellent value for small investments.
- It is the horizontal form & fill & seal thermoforming packaging machine taking its direction from the movement of the chain system. The machine has the chassis completely made from stainless steel.
- The flow of the film on the machine realizes through the movement of the chain system and this allows the usage of the film with the different thicknesses on the machine.
- Basic units of the machine consist of heating, form shaping, filling, vacuuming, gas pumping (modified atmosphere packaging), sealing stations and cutting apparatus.
- In the first phase, the form of the cup or the package is given with the help of the moulds that are designed and produced according to your package dimensions. The heat and air pressure are applied during the form shaping process to receive the desired cups or the packages. In the second phase, the feeding of the products are done. Whether this is automatic feeding or manual feeding is completely related to the product characteristics. In the third phase, the formed and filled packages are sealed with the upper film.
- Just before the realization of the third phase (before upper film sealing), vacuuming process might be applied in which the air inside the package is taken out. At the same time with the vacuuming process, it is possible to apply modified atmosphere packaging in which the optimum gas mixture depending on the product characteristics is given inside the package to keep the freshness of the product inside and achieve the optimum shelf life.

- At the last stage, formed filled and sealed packages are cut where cross-cutting and longitudinal cutting are done and the final output is sent to the product exit conveyor band.
- Thermoforming machines decrease your packaging costs, increase your efficiency, support the end product visual and presentation and decrease product handling requirements in the packaging processes.

Thermoforming packaging machine has a wide usage area especially in food industry:

- Used in packaging of a wide variety of food products like meat, meatballs, chicken, smoked chicken, frozen chicken, minced meat, roasting, processed meat products(salami, sausage, ham, pepperoni etc.), fish and other seafood products, cheese, tortellini, pizza, olives, pickles, appetizers, dried fruits(apricot, fig, grape), deserts, cookies, dates, salads, fruits, vegetables, tomatoes, cucumbers, multiple croissants or sandwiches, cakes, pies, ready-to-cook products, ravioli, burger, pizza and other similar products.
- Also used in healthcare industry, injectors compress and bandage materials, operation thread, and filament for medical operations, serum, gloves, surgical materials, elastic bandage, disposable containers and similar products which need to be packaged in steril conditions.
- Other than these products, thermoforming packaging machine is used for spare parts, small wares, stationary materials, toys, jewelry, hardware, cleaning rags and other similar products.

<u>Technical Specifications</u>	
Capacity	6-8 cycles / minute
Cut-off lengths	210 mm. at maximum
Width options for	200, 285, 300, 320, 360 mm
Packaging material	
Packaging Material	PA+PE / PET+PE / PVC+PE / XPP
Packaging Material (to be used on top)	Soft packaging material which is able to be sealed
Packaging Material (to be used on bottom)	Soft & hard packaging material which can be formed in the desired shape
Operator Control Panel	7 inch touch screen(coloured)
Motor/Engine Type	Servo motor, which is suitable for sensitive machine tools
Forming and Sealing	Pneumatic
Cutting System	Cross-cutting and Longitudinal cutting