

MOLIND ENGINEERING LIMITED
GPW-III: GENERAL PURPOSE WRAPPING SOLUTION

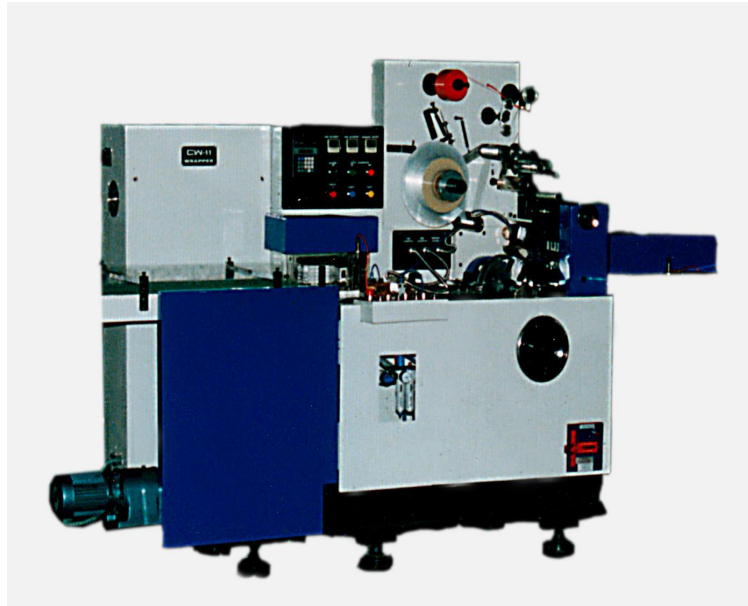


GPW - III over wrapping machine does a single layer over wrapping of BOPP / Cellophane on the rectangular packets with or without tear tape at speeds up to 150 packets per minute.

The machine is built from high precision components having the desired metallurgical and heat treatment characteristics resulting in low wear and tear, less maintenance and a longer life.

GPW-III is a robust, highly reliable, operator friendly machine having a high productivity and efficiency with negligible rejections.

WORKING PRINCIPLE: Packets fed into the magazine are taken forward by an endless conveyor chain. The wrapping material is pulled from a reel, notched for the tab and cut precisely to the required length before being positioned in front of the packet. The self adhesive tear strip is attached automatically to the film. The packet plunges through the wrap material and is delivered into an indexed turret, where the end folds and long seam heat sealing are done. The packets are then taken onto a straight bed where the remaining folds are made by stationary guides and heat-sealed.



TECHNICAL SPECIFICATIONS:

| | | | |
|----------------------------|---|--------------|-------------|
| Product: | Rectangular Shaped Products. | | |
| Product range: | Length (mm) | Width (mm) | Height (mm) |
| Minimum | 40 | 25 | 12 |
| Maximum | 110 | 80 | 40 |
| Wrapping material: | BOPP, Cellophane. | | |
| | Minimum (mm) | Maximum (mm) | |
| Cut Off Length | | 260 | |
| Film Width | 90 | 160 | |
| Core Dia: | 76 mm | | |
| Reel Dia: | 320 mm | | |
| Output: | Up to 150 Packets / min (Depending upon weight & size of product) | | |
| Machine Dimensions: | Length (mm) | Width (mm) | Height (mm) |
| | 2200 | 800 | 1800 |
| Weight: | 800 kg | | |
| Electrical Supply: | 415 V, 3Phase-4 wire, 50 Hz. | | |
| Installed Power: | 2.2 kW | | |
| Compressed air: | 0.12 cubic meter/min at 6 bar | | |

FEATURES:

- ❖ No product- no wrapper system to avoid wastage of wrapping material.
- ❖ Broken film detection.
- ❖ Overload safety clutch on in feed.
- ❖ Self-adhesive tear tape system with tear tape broken sensing.
- ❖ Automatic retract function of sealing heater to avoid over heating of wrapped product during machine stoppage.
- ❖ PID digital temperature controller with solid-state relay for heater on-off.
- ❖ Use of VFD for infinitely variable & step less speed control of machine and in feed conveyor speed.
- ❖ Use of PLC & solid-state proximity sensors for flexible, fail safe & users friendly operation.
- ❖ Operator interface for fault message display and parameter setting.