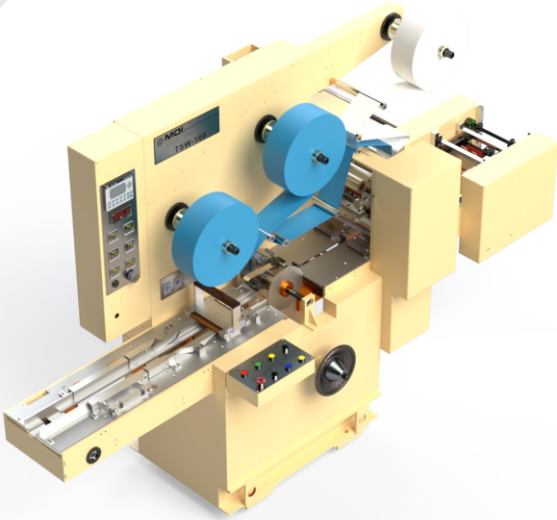


TSW-160

Toilet Soap Wrapping Machine-160



TSW-160 is designed to wrap various sizes of toilet soaps with single and double wrappers. It is designed to handle both heat sealable films/ laminates poly coated wrapping material and glue sealable outer-coated wrapping material.

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

The final result is a design of a robust, highly reliable, low maintenance, operator friendly machine having a high productivity and efficiency with negligible rejections.

PRINCIPLE OF OPERATION

The soap cakes are fed onto a continuous motion in-feed conveyor. The in feed pusher pushes the cake to the inner and outer wrapping feed station. Inner and outer wrapper is drawn from a reel by a pulling roller. The main rotary and stationary knives cuts the wrapper as per required length. Soap cakes along with the cut length of inner and outer wrapper are pushed into the indexing pocket. The folding of the wrapper takes place before insertions into the turret and during indexing of the turret. The long seam and side seal glue applicators apply glue at different stages. Side heaters perform heat seal. After the wrapping is complete, the wrapped cakes are pushed into the delivery chute.

STANDARD FEATURES

Toilet Soap Wrapping Machine (TSW-160)

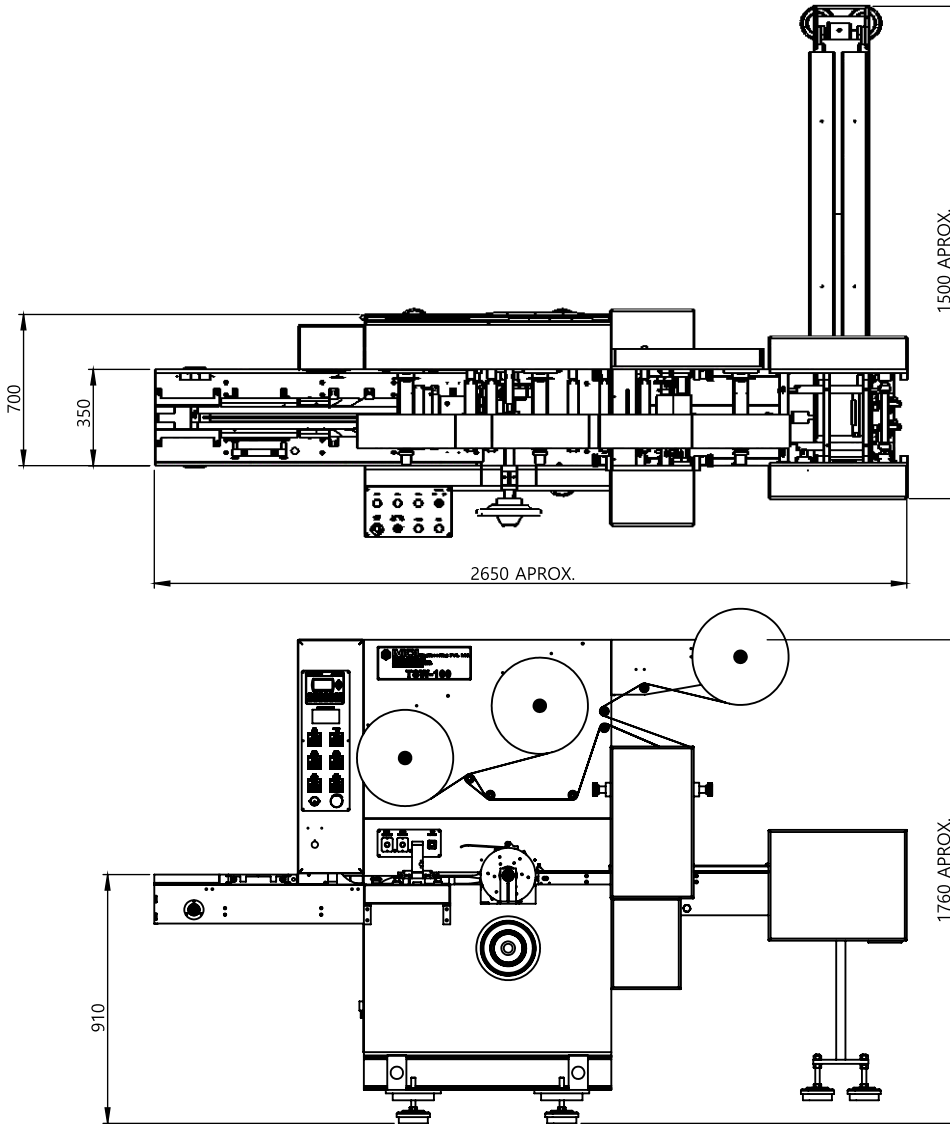
1. 90 deg. index belt conveyor design ensures smooth product transfer.
2. Automatic two way print registration ensures perfect wrapper cut size.
3. Add. bobbin unit for outer wrapper helps reducing wrapper change time.
4. Modular turret-index assembly reduces product size changeover time.
5. Delivery conveyor with top and side seal, ensures perfect sealing.
6. Use of VFD, apart from energy saving and longer component life, helps to optimally balance the machine speed and production process.
7. Use of digital PID temperature controllers for precise temp. control.
8. PLC based and entirely solid state controls eliminates any mechanical moving contacts and ensures consistent machine running at higher speed with minimum maintenance.
9. PLC/Servo system for wrapper cut length.
10. Centralised lubrication system.
11. No product - No wrap interlock.
12. Change parts / guarding Stainless Steel 304.
13. Easy soap size changeover.

TSW-160

Toilet Soap Wrapping Machine-160

TECHNICAL SPECIFICATION

TSW-160



Product ranges (mm) :

Length : Min. 60 - Max. 110

Product ranges (mm) :

Width : Min. 35 - Max. 65

Product ranges(mm) :

Height : Min. 13 - Max. 35

Machine Dimensions (mm) :

L : 2650, W : 1500, H : 1760

Weight : 1000kg

Core Diameter :

76 mm

Reel Diameter :

400 mm

Output :

Upto 160 Packets/min. depending upon size and weight of soap.

Lamination :

Inner side / Outer side

Product Shape :

Rectangular / Elliptical (excluding round shape)

Wrapping Material :

Paper / Poly / Hot melt laminated

Sealing : Heat seal

Electrical Supply : 415 V, 3Phase-4 wire, 50 Hz.

Installed Power : 4.5kW