

Product Name :
Stick 3-Side Packaging Machine

Product Code :
FOOD-PACK0004



Description :

Stick 3-Side Packaging Machine

Technical Specification :

Packaging type: Stick (3-side seal)
Product to be packed: Liquid and viscous products
Filling volume: 1-20 ml
Speed*, max: 1200-4800
Number of lanes: 1-4
Packaging material: Multilayer films
Film roll Width/Diameter, max: 250/300 mm
Final package dimensions Length*Width, max: 200*17-24 mm
Compressed air consumption: 400 l/min at 6 Bar
Electricals: 220 V 50 Hz
Power: 1.5 kW

Stick packaging machine automatic filling of liquid & viscous products, such as cooking oil, mayonnaise, ketchup, honey, cosmetic cream, sanitizer, shampoo, and other similar products in stick packages. A stick packaging machine is a fully automatic unit and requires minimum operator skills for setting operation parameters, installing film rolls, setting filling volume.

Working principle

The product is filled with the help of a volumetric piston filler. Upon receipt of an electronic signal from the machine control unit, the pneumatic actuators of the volumetric piston filler pull the rod out of the graduated cylinder. As a result of the vacuum, the product moves into the graduated cylinder through the suction pipe. A set volume of product is filled inside the formed package (stick) through tubes. The filling volume is regulated by a mechanical regulator.

After filling the package at a set volume, the machine controller sends a signal to the piston filler, which leads to the start of a new product filling cycle.

The seam sealing unit works on the principle of constant heating. When moving downwards, the jaws remain in a closed position, which allows the packaging material to be pulled. The roll is unwinded and the packaging material is folded through the forming collar into a sleeve around the guide tube.

Once the filled package (stick) reaches the bottom point of the machine, it is cut by a special knife. The cutting unit can be equipped with a flat or toothed blade. The final package (stick) falls to the floor, into a special container (box), or onto an outfeed conveyor.

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