

Linear Roll Feed Hot Glue Labeling machine

Hot Glue linear labeling machine

Widder Industrial group's packaging / Bottled up machinery is the result of practical experience, following of unique, specific & special rolls and industrial standards and also using of non-stop R&D policy in manufacturing of updated, tough & high performance machinery. Widder Ind'l. group Linear Roll Feed Hot Glue Labeling machine consists of one labeling applicator and container timing and /or wrapping around station which have been installed in sides of one level conveyor all mounted on a heavy duty chassis synchronously working together providing output from 3500-10000/bph.

Main Features:

- The conveyor chain moves filled bottles smoothly to the timing star, the pneumatic jack pushes them to be fit in to timing star to move and feed them to the labeling applicator area, applying labels and passes them from the wrap around unit under Traction pressure of machine Main driving system.
- The main conveyor's body is made of stainless steel and the chain is acetyl resin (or stainless steel as optional). The width of chain is 190mm with 2500-3000mm long.
- One horizontal timing Star have been installed on Adjustable stand with Set screws in one sides of the main conveyor entry.
- The label applicator which has been installed in one side of conveyor has equipped with changeable vacuumed Drum System and reliable Clincher.
- One especial horizontal front press unit has been installed on adjustable stand with Set screws in the sides of the main conveyor exit. (Wrap Around unit).
- The Gluing system consisted of one glue tank equipped with a powerful glue pump and related piping & tube system which prepare, transfer & return the hot glue, to the gluing Drum, all are equipped with 24 V. Steel Covered heater elements.
- The machine driving system is a combination of appropriate 3 phase Electro motor which is equipped directly with a well-chosen reducing unit and a powerful Servo motor.
- The machine interface which has been equipped by touch screen LCD monitoring system (HMI), has installed on its stainless steel stand in the side of Main cabinet with 180 degree Rotation capability.
- The electronic controlling parts like as PLC and an electronic inverter & etc... are mounted inside a box which is installed in the side of Main cabinet which has been choose from best European licensed brands (Delta).
- All above mentioned components and parts have been installed on a 1000X1600X850mm stainless steel heavy duty cabinet.



Roll Feed Hot Glue Labeling machine (Right view)



Roll Feed Hot Glue Labeling machine (Left view)



Labeled bottles specimens

Technical Descriptions of Widder's Linear Hot glue Labeling Machines

| Description | Wrap Around Labeling |
|--------------------------------------|-------------------------------------|
| Volume of Containers | 250-2500 ml |
| Min & Max Containers height | 150-350 mm |
| Container base | Circular & Round age Square |
| Label Height Min/Max | 10-200mm |
| Label width Min/Max | 15-450mm |
| Label material | Paper-Plastic/Transparent/OPP |
| Applicator nominal speed | 25 M/Min |
| Machine nominal output | 10000 bph. |
| Label roll outer diameter | 270-400 mm |
| Label roll core diameter | 75 mm |
| Label-Sensors type | True beam- sic (Germany) |
| Product Sensors type | Reflex/ Proximity |
| Timing System of Bottles | yes |
| Power of servo motor | 66Kg/Cm-6.47Nm |
| Power of Three-phase electric engine | 0.75 KW |
| Electric engines Brand | CE. Standard |
| Reducer Brand | CE. Standard |
| Electronic inverter | Three-phase inverter /Delta |
| Interface | LCD. Touch screen/HMI-Delta |
| Controller | PLC-Delta |
| Power supply | Switching |
| Main voltage | 380 V AC. 50 Hz. |
| Power consumption | 12 A |
| Conveyor & Cabin material | Stainless steel /304 |
| Conveyor Length (main) | 3000 mm |
| Conveyor Height (main) | 1100 mm+-100 |
| Conveyor chain material | Stainless steel/316 or Acetyl resin |
| Cabin dimensions LxWxH | 160x100x85Cm |
| Machine weight | 800 Kg. |
| Pressured Air | 8 bar |