

Liquid Machine



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AUTOMATIC HIGH SPEED WET GLUE LABELING MACHINE



DESCRIPTION :

The automatic high speed wet glue labeling machine, the AGHL-150 is used to label the round containers of glass, plastic, aluminum, pet, cardboard containers etc. The machine label the container by the cold glue in the vertical position. It is a rigid, versatile and reliable labeling machine.

HOW IT IS OPERATED :

The feed worm is used to place perfectly the feed and sealed containers at the labeling point for the wrap-around operation. The glue cylinder gets the cold glue from the glue pot. The glue pot contains the glue subsequently transferred on the glue rubber roller. As a result the thin film of the glue is transferred evenly to the gluing pad. The round containers are moving on the conveyor. The label box is oscillated by the sequence generated by the conveyor. The rotating label master aligned with the label box with the pick up fingers. The label master applies the label to the container with the help of pick up fingers. The label is kept perfectly on the rotating container due to the vacuum. The labeled containers move

ahead through the stationary rubber pad and rubber pressing belt. So it gives the perfect and neat container with label.

THE FEATURES : (WHICH FEATURERS MAKE MACHINE BETTER)

- The storage capacity of the bowl is increased by the specially designed hopper.
- For the easy and quick setting of the in-feed worm, the universal coupling is used.
- The height of the conveyor is adjustable to align with other machine of the line.
- S.S. cladding or hard chrome plating of all exposed parts.
- For the different container diameter, no need to change the parts.
- Head movement is by the motor.
- In built control panel
- The S.S. matt finished body
- The change over time, require changing the label or container is very less.
- The self-aligning bearing for trouble free and smooth operation
- During the periodically maintenance of the system, the self-bearing help to assemble the unit very fast.
- No container, no label system.
- The electrical sensing device keeps the unit neat and clean and avoids wastage of labels.
- If the length of the label is more than the circumference of the containers, it's suitable for overlap labeling and flag type labeling.
- The vacuum pump is very efficient which develops sufficient vacuum to hold the labels big or small on the pick-up cylinder.
- The contactors and relays of appropriate ratings ensure the protection of the motors.

THE SPECIAL FEATURES :

- The code over printing device.
- A/C frequency drive for speed control
- Safety guard
- For the output of the container, the machine contains digital counter.
- There is a special attachment for the flat bottle.
- For the long label up to 165mm length and 120mm width, it contains special design
- It consists of water turf to keep wet gum roller and muster.

UTILITY REQUIREMENT :

Electrical Supply : Three Phase + Neutral + Earthing

Electrical Load : 1 KW

TECHNICAL SPECIFICATION :

Model	AHGL - 150
Direction of Movement	Left to Right
Output/Hour*	3600 to 9000 Nos.

Electrical Specifications	
Main Motor	0.75 HP / 415 Volts / 50 Hz.
Vacuum Pump	0.5 HP / 415 Volts / 50 Hz.
Height of Conveyor**	860 mm to 910 mm
Machine Dimension**	3010 mm (L) x 1016 mm (W) x 1170 (H) mm
Case Dimensions	3250 mm (L) x 1250 mm (W) x 1200 (H) mm
Net Weight	550 kgs.
Gross Weight	750 kgs.
Change Parts Required	(A) Container: Feed Worm. (B) Label : Label Muster, Upper - Lower Plate, Pusher Plate.

INPUT SPECIFICATIONS

Label Specification	Length**	20 mm to 140 mm**
	Height**	16 to 90 mm
	Thickness	65 to 70 GSM (The Direction of Gains of the Label must always be parallel to the container axis. The paper should be flexible)
Container Size**	Round Shape	Ø 16 mm to Ø 100 mm** Respectively Height 40mm x 240 mm*** (Height option for other bottle height available)
Wet Glue	Glass/Plastic/PET etc.	As per recommended in user manual

* Depending on the size and shape of container and label and type of glue.

** Can be supplied as per customer requirements.

*** With help of change parts.

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