Akshar Engineering Works

`AUTOMATIC HIGH – SPEED GLUE LABELING MACHINE

¾ **DESCRIPTION:-**

AHL-150 automatically labels round container of glass, plastic, aluminum, pet, cardboard container, will wrap-around labels in the vertical position by using cold glue. AHL-150 is rigid, versatile and engineered for reliability and enhance operational efficiency in addition, it has several exclusive features which offer additional advantages.

¾ **OPERATION:-**

The round containers positioned accurately by the feed worm for wrap-around operation at the labeling point, the rotating glue cylinder receives cold glue from gluepot that subsequently gets transferred on the Glue Rubber Roller. Finally a fine, even and thin film of glue is transferred to the gluing pad. The round container on the moving conveyor at the feed worm actuates a sequence, which results in the oscillation of the Label Box. The rotating label Master aligned with the help of pick up fingers from the Label Master & with oscillating Label Box. The pickup cylinder receives labels with the help of pick up fingers from the label master.

The pickup cylinder holds the labels perfectly with due to vacuum during its rotational movement. Simultaneously the pick-up fingers move inside. The round container moves on conveyor with the help of worm and glued label on pick-up cylinder wrapped around to container by virtue of strip belts. Then the labeled container moves further through a rubber pressing belt & stationary rubber pad that ensures neat & perfect fixing of label.

¾ TECHNICAL SPECIFICATIONS:-

Model		**AHL - 150**
Direction Of Movement		Left to right
Output / Hour*		3600 to 9000 Bottles
Electrical Specification**	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 Dimensions**		3010 mm (L) x 1016 mm (W) x 1170 mm
Case Dimensions		3250 mm (L) x 1250 mm (W) x 1200 mm
Net Weight		550 Kgs.
Gross Weight		750 Kgs.
Change Parts Required		(A) Container: Feed Worm. (B) Label: Label Musters, Upper – Lower Plate, Pusher Plate
Input Specifications		
Label Specification	Length**	20 mm to 140 mm**
	Width**	16 to 90 mm***
	Thickness	65 to 75 GSM (The direction of grains of the label must always be parallel to the containers axis. The paper should be flexible)
Container Size**	Round shape	Ø 16 mm to Ø100mm*** Respectively height 40 mm to 240 mm*** (Height option for other bottle height available)
Wet Glue	Glass/Plastic/PET etc.	As per recommended in user manual

* Depends on size of container, label & glue.
** We can supply as per customer requirements.
*** With help of change parts.

¾ SALIENT FEATURES:-

- A/C Frequency Drive for speed control.
- All exposed parts of the unit are S.S, hard chromed or SS claded to ensure long life and resistance against corrosion.
- Inbuilt Turn Table
- Inbuilt Batch coding System
- Adjustable Conveyor Height to align with other machine of the line.
- Minimum changeover time is required from one size of container or label to another.
- Special self-aligning bearing ensure smooth & trouble free rotation of the parts.
- These self-aligning bearing help in quick assemble during periodical maintenance of the unit. They also allow more flexibility in maintaining tolerances.
- No container, No label, an electrical sensing device avoids wastage of labels; it also helps in keeping the unit neat & clean.
- Suitable for overlap labeling and flag type labeling where the length of label is more than the circumference of container.
- A highly efficient vacuum pump develops sufficient vacuum to hold labels big or small on the pick-up cylinder.
- Complete protection of the motors is ensured by the contractors and relays of appropriate ratings.
- Safety Guard.

¾ OPTIONAL ACCESSORIES:-

- Digital counter for output of container.
- Attachment for flat bottle.
- Special design for one label up to 165 mm length & 120 mm width.
- Water tuff to keep wet gum roller & muster.

¾ UTILITY REQUIREMENT:-

Electrical supply	3 Phase + Neutral + Ear thing
Electrical load	1 KW