

Wrap Around Sticker Labeling Machines for Round Products - Servo



(Photograph is for the reference purpose only. Machine Construction & Specification are subject to change without prior Notice due to Continuous up-gradation Process)

Specification of the Equipment

Machine's Basics:

Machine Name	Wrap Around Sticker Labeling Machines for Round Products – Servo
Model	Servo Motor Based
Production Speed Per Hour	3000 to 7200 Products per Hour (Speed Depends up on the Size of the Product and Operator Skills).
Number of Labeling Dispenser	Single Labeling Dispenser Head
Suitable for Products	PET / HDPE / GLASS / METAL TN / Aluminium
Application	Wrap Around Application on Round Bottles
Labels Requirement	Self Adhesive Sticker Labels in Roll Form having consistence 2 or 3 mm gaps between the 2 labels.
Label Material	Self Adhesive Cromo Paper Labels/ Filmic Labels / Transparent Labels
Label Roll Outer Diameter	Maximum 305 mm
Label Core ID	75 mm
Maximum Label Length	190 mm
Maximum Label Height	225 mm
Label Dispensing Accuracy	+/- 1 mm
Rejection Ratio During Production	1%
Bottle Separation Unit	Teflon or Rubber Molded Wheel Based Separation Unit
Working Height	850 mm +/- 50 mm
Conveyor Length	5 Feet
Machine Weight	Approx 250 Kgs
Machine Dimension	Approx 5 (L) x 4 (W) x 5 (H) – in Feet

Machine's Material of Construction

Machine Main Base Frame	M.S or S.S. 304
Machine Coverings	Complete in S.S. 304
Product Contact Parts	S.S. 304
Non Contact Parts	S.S / M.S / Aluminium / Teflon (Whichever is applicable)
Conveyor Slat	S.S. 304 Slat with Nylon Strips on Side
Conveyor Shafts	M.S with Hard Chrome or Zinc Plating
Conveyor Sprockets	M.S or Nylon
Bearings	SKF / NTN
Plating(Wherever Applicable)	ENP / Zinc / Hard Chrome / Blackening
Wrapping Belt	End Less Sponge Coated Wrapping Belt
Wrapping Guide	Sponge Coated Wrapping Guide
Guide Brackets	Moldex Make
Guide Rod & Pin	S.S. 304
Dispenser Rollers	Rubber Molded + Aluminium + Knurling Rollers
Wrapping Unit Up & Down	Screw Based UP & DOWN Assembly
Dispenser Unit Up & Down	Screw Based UP & DOWN Assembly

Machine's Electronics & Pneumatics Components

Conveyor Motor Make	H.P Hindustan / Remi / Bonfiglioli / Bonvario
Conveyor Gear Box Make	Hindustan / Remi / Bonfiglioli / Bonvario
Conveyor VFD Make	Delta
Dispenser Motor in Case of Servo	Panasonic / Delta
Dispenser Motor in Case of Stepper	Ingenium
Product Sensor	Fibre Optic – Leuze / Banner / Optex / SICK
Label Gap Sensor	Slotted - Leuze / Banner / Optex / SICK
PLC + HMI (In Case of Servo)	Touch Screen Delta Make PLC + HMI
Micro Processor PLC + SMPS (In Case of Stepper)	Standard Key Pad Based (Micro Processor)
Electrical Wiring	Ferule Numbering on all the wires with Proper Markings
Electrical Components	ABB / L&T / Siemens Make

Machine's Power & Air Consumption Requirement

Power Consumption	1 H.P / 230 V.AC
Phase	Single Phase in Case of Stepper Motor/ 2 Phase in Case of Servo Motor

Machine's Servicing & Maintenance

Maintenance of Machine	Weekly Oiling & Greasing is Required for smooth functioning of Machine
Machine Cleaning	Advisable to clean machine regularly for smooth functioning of Machine

Optional Accessories (If Required by Customer at Extra Cost)

1. Polycarbonate Enclosure in Aluminium Profile.
2. Batch Coding Printing Device
3. Transparent Label Gap Sensor in Case of Transparent Film Labels

Machine's Utility Requirement (Customer need to Arrange)

1. Voltage Stabilizer to control power fluctuation
2. Main Electrical Power Input till Machine
3. Well Trained Operator for Operating the Machine
4. Un-Skilled Helper to help the Operator.