

## Wrap Around Sticker Labeling Machine - Stepper - FLP



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

### Specification of the Equipment

#### Machine's Basics:

Machine Name	Wrap Around Sticker Labeling Machine - FLP
Models Available	Servo Motor Based / Stepper Motor Based
Production Speed Per Hour	2400 to 7200 Products per Hour (Speed Depends up on the Size of the Product and Operator Skills).
Number of Labeling Dispenser	1 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	+/- 1.5 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 300 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
Control Panel	Flame Proof Control Panel

## **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 (Stepper Motor will be Non-Flame Proof)
Product Sensor	Fibre Optic - Leuze / Banner / Optex / SICK
Label Gap Sensor	Slotted - Leuze / Banner / Optex / SICK
Micro Processor PLC + SMPS (In Case of Stepper)	Standard Key Pad Based (Micro Processor)
PLC + HMI (In Case of Servo)	Touch Screen Delta Make PLC + HMI
Electrical Wiring	Armed Cable with Ferule Numbering on all the wires with Proper Markings
Electrical Components	ABB / L&T / Siemens Make
Emergency Switch	Flame Proof

## **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

## **Machine's Utility Requirement (Customer need to Arrange)**

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