

## 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.