



**LABELMAN TECH<sup>®</sup>**



**AUTOMATIC WATER FILLING MACHINE  
SHRINK WRAPPING MACHINE**

**BOPP ROLL FEED LABELLING MACHINE  
STICKER LABELLING MACHINE**

**WWW.LABELMANTECH.COM**

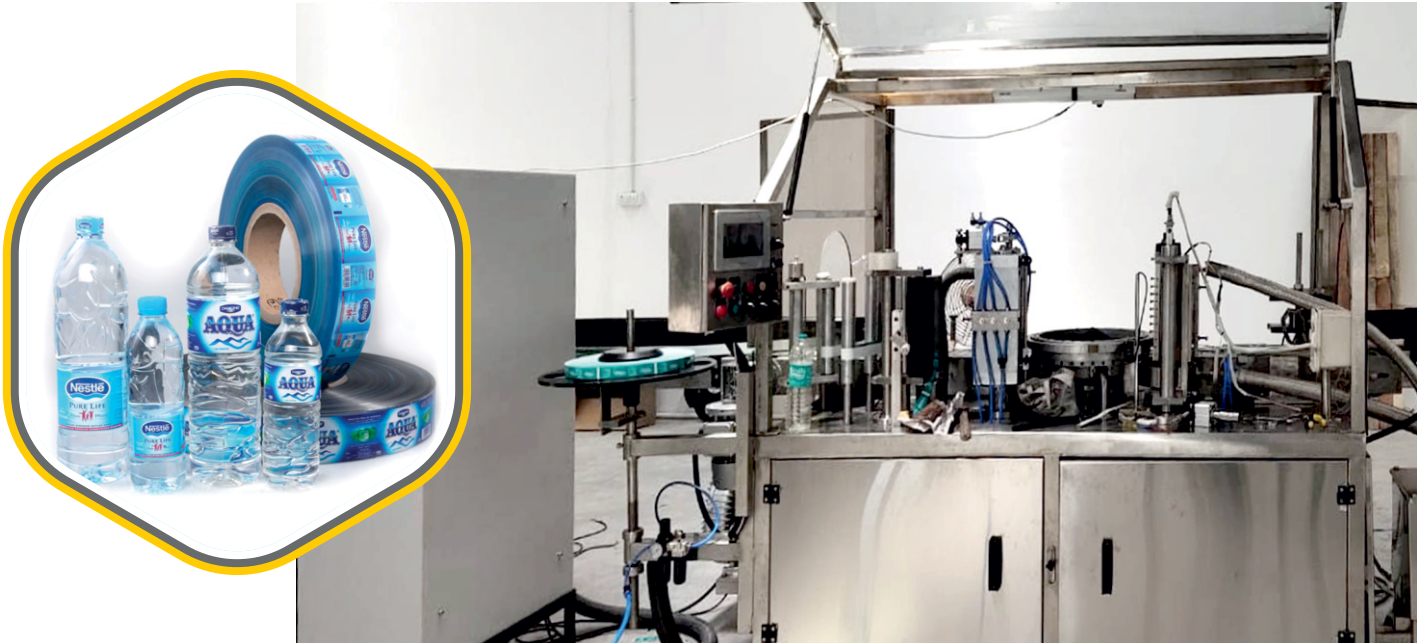
## INTRODUCTION

LABELMAN TECH is a leading engineering solution Provider in Mineral Water, Soft drinks & Beverage field. And Manufacturing of all automatic BOPP ROLL FEED LABELLING MACHINE, SHRINK WRAPPING MACHINE, STICKER LABELLING MACHINE.

LABELMAN TECH has a unified process engineering approach offering the Right solution keeping the costs down without losing on the standards and associated values. We have designed the plant as per your requirement.

## BOPP LABELLING MACHINE

The BOPP LABELER MACHINE separate one label from the roll, puts glue to the label, and applies it accurately to your product. The BOPP LABELER is the perfect machine for any high volume HotMelt Glue labelling projects that requires the application of plastic label to a cylindrical container. With labelling speeds up to 120 BPM, the BOPP LABELER delivers high speed, cost effective labelling solution for any high volume line. Another great feature of this machine is the fast and easy changeover. Its quick change capability allows for 15–30 minute changeovers requiring only a single tool. Less downtime means more production.



## BOPP LABELLING MACHINE TECHNICAL

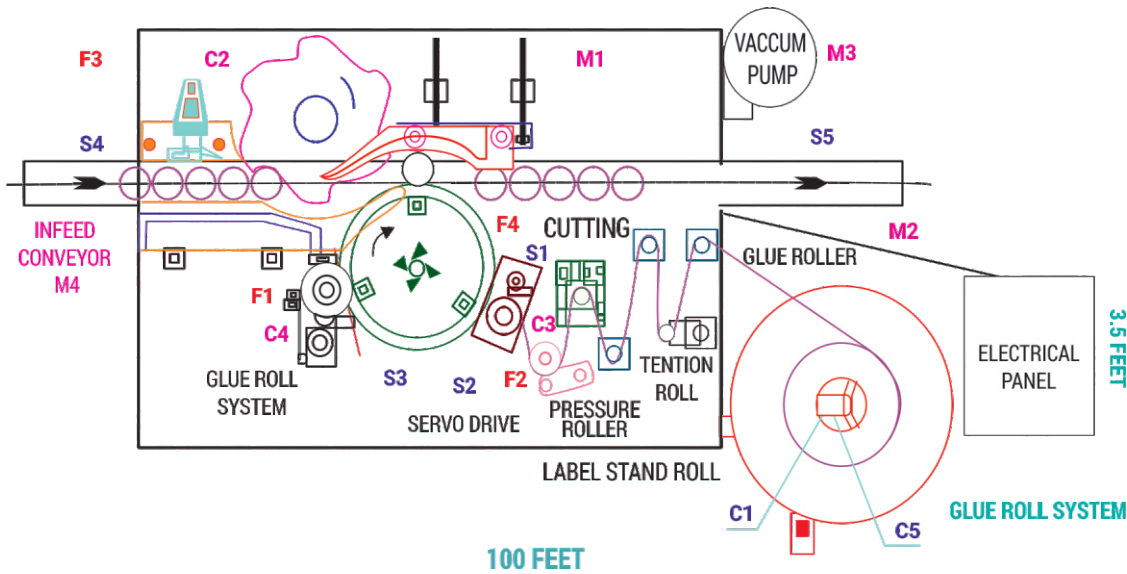
▶ Label Dimension	:	Length	Min 125 mm	Max 400mm
		Width	Min 50 mm	Max 150mm
▶ Container Dimension	:	Diameter	Min 50 mm	Max 150mm
		Height	Min 50 mm	Max 350mm
▶ Capacity	:	60 BPM to 300 BPM		
▶ Conveyor Height	:	Adjustable 900 mm to 1050 mm at conveyor table top		
▶ Conveyor Length	:	Single conveyor extends from in-feed to discharge 3 mtr length in total		
▶ Electrical Requirement	:	440V / 3-Phase		
▶ Air Requirement	:	80 PSI, 3C FM, 1/2" NP Pipe		

## MACHINE STANDARD FEATURES

▶ Basic Construction	:	-
▶ Guarding	:	Main Frame with Stainless Steel Pipe
▶ Hot Melt System	:	Recalculating continues Flow
▶ Low Air Pressure Safety Lubrication	:	Centralized Manual
▶ Control Station	:	Centralized
▶ Main Drive System	:	3 HP AC Variable Speed
▶ Vacuum System	:	Blower Type Vacuum pump
▶ Frequency Drive	:	Danfoss / Delta Drive
▶ Servo System	:	Label Feeding with Servo Controller

## ACTIVITIES

MODEL : 217B



### INPUT

S1 : PRINT MARK SENSOR  
S2 : ZERO SIGNAL SENSOR  
S3 : LABEL SENSOR  
S4 : FLOW GATE INFEEED SENSOR  
S5 : FLOW GATE OUTFEED SENSOR

### OUTPUT

M1 : MAIN MOTOR ON  
M2 : CONVEYOR MOTOR ON  
M3 : VACUUM PUMP ON  
C1 : ROLL CHUCK ON  
C2 : FLOW GATE SOLENOID  
C3 : CUTTER SOLENOID  
C4 : GLUE ROLLER SOLENOID  
C5 : PARTICLE BRAKE

### FAULTS

F1 : ADHESIVE RETURN TEMPERATURE  
F2 : SERVO FAULT  
F3 : AIR PRESSURE LOW  
F4 : RETURN LABEL SAFETY SENSOR

### SYSTEM READY

( ALWAYS ON )

+ R1 : MASTER PLC  
+ R2 : PSL  
+ R3 : SERVO  
+ R4 : HOT MELT

SX : SENSOR  
MX : MOTOR  
CX : COIL  
FX : FAULT

## ELECTRICAL SUPPLY

- ▶ Connected load 9 KW ( For Glue Heating) After That Running load is 4.5KW, 415 + /- 10%, 50Hz +/ - 3% phase, Neutral & Earth.

## GLUE ROLL SYSTEM

- ▶ Fully automation Hotmelt glue roller labelling machine.
- ▶ Easy to maintain & Easy to apply glue in the Label.
- ▶ Inbuilt transformer Available for power savings and Fluctuation.
- ▶ Simple and compact in design.
- ▶ No Bottle, No Label Mechanism Avoids any wastage of labels.
- ▶ Inverted drive uses for AC Motors.

## UTILITY FROM YOUR SIDE

- ▶ 3 Phase Electric Supply.
- ▶ 6 to 8 Kg Air pressure.
- ▶ Stabilizer will be provided by you to avoid voltage Fluctuation.
- ▶ External civil work for commissioning of the Machine.



BOTTLE INFEEED  
AND OUTFEED  
DOUBLE STAR MACHINE



TRIO MAKE HIGH SPEED  
PLC CONTROLLER  
FOR ACCURACY OF LABEL CUTTING



TOUCH SCREEN  
HMI



GLUE ROLL SYSTEM WITH  
VARIABLE DRIVE



## B.O.M

### PARTICULARS

### MAKE

▶ Machine Structure, Conveyor and door will be make with Stainless Steel.	Stainless Steel
▶ PLC CPU Used with High Speed input and out-put.	Trio / Delta
▶ Operating Panel with 7" Touch Screen colored Touch Screen.	Schneider / Delta
▶ Servo Motor / Drive Use for Label Feeding and synchronized with main machine speed.	Schneider / Delta
▶ AC Drive used for machine speed Control and Power Saving.	Schneider / Delta
▶ Sensor / Encoder used of high Quality.	Sick-India / Panasonic
▶ Pneumatic system /cylinder.	Genetics / Techno
▶ Glue System used with automatic speed and temperature controlled as per requirement.	SS Tank
▶ ON Line Slate Chain Conveyor Transfer.	Stainless Steel
▶ AC Motor.	Bonvorio / Rotomotive
▶ Electrical Control Panel will be Separate.	Stainless Steel
▶ Three Phase to Single Phase Transformer for safety of fluctuation.	4 KW
▶ Air Flow Control with Rota - meter with multi valve.	Genetics / Techno
▶ Bottle transfer Section & Side Guide.	SS & Backlight sheet
▶ Glue Tank covered With heat Safety equipment & SS Sheet.	SS Tank
▶ Colored Touch Screen Display.	Schneider / Delta
▶ Heating System Controlled With PID Controllers.	Schneider / Delta

### TECHNICAL DETAIL

▶ Capacity	:	40 to 120 BPM
▶ Size of the bottle	:	200ML. To 2.0 L. Bottles, with change parts for each
▶ Air Required	:	300 Ltr. per minute at 5 kg / cm2 pressure
▶ Conveyor working height	:	1050 + - 50 mm
▶ Size (L X B X H)	:	2100 X 1600 X 2000 mm
▶ Total Electrical Power	:	7.5 KW
▶ Vacuum System	:	Blower Type Vacuum pump
▶ Following Set of change parts is required for each additional size of bottle, depending upon the diameter & height of bottle.		

IN FEED STAR AND GUIDE SET

LABEL ROLL-ON PRESS PAD

VACUUM DRUM

### BENEFITS OF GLUE ROLL SYSTEM

- ▶ Label pasting will be better then Pneumatic control System.
- ▶ Operator requirement:- 1semi-skilled operator is enough to operate the machine.
- ▶ No Maintenance Charges up to 5 Years for glue roll system Machines.

GLUE ROLL SYSTEM USERS.



pepsi



Bisleri®



## AUTOMATIC WATER FILLING MACHINE



BPM FOR 1 LITRE	RINSING HEADS	FILLING HEADS	CAPPING HEADS	ELECTRIC POWER IN KILLO WATT	Dimensions (MM) Approx		
					L	B	H
30	6	6	3	5.0	2000	1200	2000
40	8	8	4	5.0	2400	1250	2000
60	12	12	5	7.0	2800	1350	2000
90	18	18	9	7.5	3000	1800	2000
120	24	24	12	10.0	3300	2000	2000
150	30	30	15	10.0	3600	2200	2000
200	40	40	20	10.0	4000	2400	2000
250	45	45	20	10.0	4200	2500	2000
300	50	50	20	10.0	4500	2600	2000

The Complete base frame of the machine is made of SS 304 Square Pipes & Sheet. The Center Column assemble & start housing of the machine is also made of SS 304 the Filling Value are as per international Standard the Speed of machine controlled by siemens make variable frequency drive. the liquid level in the filler tank is automatically by electronic probe and pneumatic value. The electrical panel is also made of SS 304 Material.

This Machine is suitable for filling glass or pet bottles, From 0.2 lt. to 2.0 lt, bottles for products like mineral water non-carbonated / Carbonated soft drinks & soda etc. The conveyor for bottle transfer is also made of SS 304.

Auxilliaries Required:-

AUTOMATIC CAP ELEVATOR

INSPECTION LIGHT

HEAT SHRINK TUNNEL

IN-FEED AIR CONVEYOR

OUT FEED SLAT CHAIN CONVEYOR

BOTTLE COLLECTING TABLE

RINSER

## SHRINK WRAPPING MACHINE



### SEMI AUTOMATIC SHRINK WRAPPING MACHINE

Automatic shrink wrapping machine for water / Beverage bottle packing 200ml to 2000ml.

- ▶ With adjusting Guide for Packing of Different size & Packing of bottle.
- ▶ Single track Conveyor.
- ▶ Motorized Feeder for Feeding of bottle.
- ▶ Heat Srink Tunnel with Air Blower 6 to 8 Fit.
- ▶ Heater Controlled with Temperature Controller as per Requirement.
- ▶ Supply 3 Phase, 400 to 420 V.
- ▶ Operating with Display Panel.
- ▶ Air Required 5 to 10 Kg.

### B.O.M

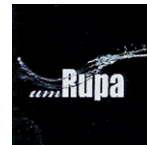
PARTICULARS	MAKE
▶ Machine Structure, Conveyor and door will be make.	Powder Coated MS Sheet
▶ PLC CPU Used with High Speed input and out-put.	Delta
▶ Operating Panel with 3.8" Touch Screen colored Touch Screen.	Delta
▶ AC Drive used for machine speed Control and Power Saving.	Schneider / Delta
▶ Pneumatic system / cylinder.	Genetics / Techno
▶ AC Motor.	Bonvorio / Rotomotive
▶ Electrical Control Panel will be Separate.	Stainless Steel
▶ Air Flow Control with Rota- meter with multi valve.	Genetics / Techno
▶ Bottle transfer Section & Side Guide.	SS & Backlight sheet
▶ Heating System Controlled With PID Controllers.	Omron/GIC

SIZE : WIDTH : 4 FT , LENGTH : 16FT , HEIGHT : 6FT

## STICKER LABELING MACHINE



## OUR VALUABLE CLIENTS

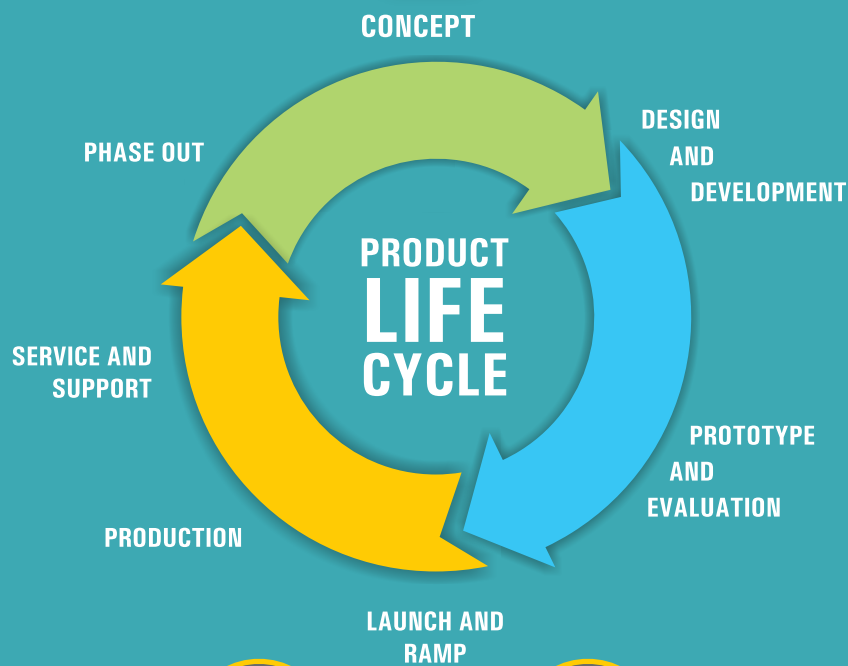


## OUR PRODUCT LIST

- ▶ BOPP labeling Machine
- ▶ Water Filling Machine
- ▶ CSD Filling Machine
- ▶ Juice Filling Machine
- ▶ Semi Automatic Shrink Wrapping Machine
- ▶ Automatic Shrink Wrapping Machine
- ▶ Sticker Labeling Machine

Thanks & Regards  
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