

## Automatic Inline Air Jet Cleaning Machines



(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:

Production Speed Per Hour	2000 to 2400 Bottles per Hour (Speed Depends up on the manual feeding of bottles on the conveyor by operator).
Number of Air Jet Nozzles	4 Nos. Nozzles
Suitable for Products	PET & HDPE Bottles ranging from 200 ml to 1000 ml
Bottles Cleaning Accuracy	95% Cleaning Accuracy
Rejection Ratio During Production	1%
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
Change Parts	Required in case of change in Mouth OD / ID of Bottle

### **Machine's Material of Construction**

Machine Main Base Frame	M.S. Powder Coated or Colored
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
Diving System	IGUS Make
Centering Cups	Teflon Material
Guide Brackets	Moldex Make
Guide Rod & Pin	S.S. 304
Dust Collector	Drum with filter given inside the machine.

### **Machine's Electronics & Pneumatics Components**

Conveyor Motor Make	0.5 H.P Hindustan / Remi / Bonfiglioli / Bonvario
Conveyor Gear Box Make	Hindustan / Remi / Bonfiglioli / Bonvario
Conveyor VFD Make	0.5 H.P Delta
In-Let Pipes	PVC
Pneumatics	FESTO / Janatics
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Vacuum Blower	1 H.P Indovac Make
Sensors	Photo Electric Sensors - SICK Make
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
Compressed Air Required	2. H.P

### **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. Production Counter
3. Touch Screen PLC – Delta Make.
4. Flame Proof Control Panel for Flammable Product

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

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