



## Automatic Linear Bottle Washing Machine Tunnel Type HMPL-LTBW



### Brief on machine:

The Automatic Linear Tunnel Type Bottle Washing System consists of main structure, bottles holding pocket, in-feed tray & out-feed conveyor, wire mesh product transmission conveyor, washing nozzle, electrical panel, motor, pumps with tank, AC drives, PLC & HMI (OPTIONAL).

### Salient Features of Linear Bottle Washing Machine

The unit is made compact and versatile as per GMP norms	Machine structure made by MS clad with SS 304 with argon welded
SS Tanks & trays made from SS 316 by argon welded with round corner	SS pump made from SS 316 with mechanical seal Mono-block pump
SS filter housing made from SS 316	All Nozzles made from SS 316
Imported Gear Motor for main drive and conveyor	In-feed wire mesh conveyor belt system
AC Variable drives for Main drive and conveyor	Pumps with tank (60 Litre each) 2 Nos
Pumps are provided in the machine, which gives a full pressure to wash bottles properly	Low RPM & Maximum output
No Change parts are required to wash 30ml to 200ml (If neck diameter is same)	All Parts coming in contact with washing zones/jet are made from SS316
Special Pocket system ensures easy and trouble free washing of bottles for outer & inner side	Water recycling arrangement is possible as per client's requirement
Indexing motion makes easier for syringes to move inside bottles, when it is in stationary motion	A special clutch device is available for stoppage of the machine in the event, vials/bottle is overturned or over diameter
The Machine equipped with safety devices to ensure smooth and silent operation with high rated output	Machine also equipped with external washing of bottles
Machine provided with PLC & HMI (OPTIONAL) as per customer requirement	

## Technical Specification

<b>Model</b>	<b>HMPL-LTBW</b>	
Bottle Size	10 ml to 500ml (with the help of change parts)	
Output Speed	3000 to 6000 Bottles/Hour	
No. of Pockets	10	
Working Height	850 ± 50mm Adjustable	
Electrical   Main Motor	1HP / 415 V AC / 50 Hz	
Power Supply	Pump 2 Nos.	1HP x 3 = 3HP / 415 V AC / 50 Hz
	Electric Heater	3 KW
	Conveyor	0.5HP / 415 V AC / 50 Hz
Tank Capacity	SS 316 60 Liter	
Wash Cycle	8 Inner + 3 Outer	
Cycle Time	3.5 Second for each wash + 1.5 Second for travelling	
Water Consumption	400 Liters / Hour / Cycle	
Air Consumption	2.5 Kg/cm <sup>2</sup> / 20 CFM	
Net Weight	1400 kg Approx.	
Dimensions (LXWXH)	1150 mm (L) x 2500 mm (W) x 1550 mm (H) Approx.	
Change Parts	Bottle Holding Pocket	