

Rotary Rinsing Machine

The Automatic Rotary PET/PE & Glass bottles Rinsing Machine

Widder Industrial group's packaging / Bottled up machinery is the result of practical experience following of unique, specific & special rolls and industrial standards and also using of non-stop R&D policy in manufacturing of updated, tough & high performance machinery. The Widder's Rotary rinsing machine composed of an automatic rinsing unit equipped with 18/24 or 32 bottle grippers (as per machine model), a timing screw and input/output stars and related conveyor all mounted on a heavy duty chassis synchronously working together providing output from 2000-18000/bph and over per order.

Main Features:

- The Timing unit is an Irregular screw which can be easily changed for different size of bottles, has been mounted in the entrance of machine conveyor makes appropriate distances between the bottles.

- The entrance star also can be easily changed for different size of bottles, has made from Teflon and designed in double steps to keep the bottles from top & bottom, has been mounted after timing screw on the top of the conveyor delivering bottles to the rotary rinsing grippers.

- The Rinsing unit's neck holding bottle grippers keep bottles tightly but no damage during rinsing cycle, then rotates 180° to get the bottles upside down in front of nozzles.

- The Rinsing Nozzles with Direct feeding from a special water distributor just spray water in Radial of the rotating circle, and lets rinsed water to be drained from the bottles.

- Adjusting of rinsing water's amount / pressure and spraying time, in these models could be done easily.

- The grippers return the bottles to the normal position after rinsing to be delivered to exiting star.

- The exiting star also made same as entrance star, has been mounted after rotary rinsing unit on the top of the conveyor receive bottles from the rotary rinsing grippers and leave them on the conveyor.

- Switch board cabinet made up of stainless steel provides all electrical and electronically controls in same place.

- The main drive supplied by a 3 phase electromotor equipped with heavy duty gearbox and inverter controlling soft start and variable speed.

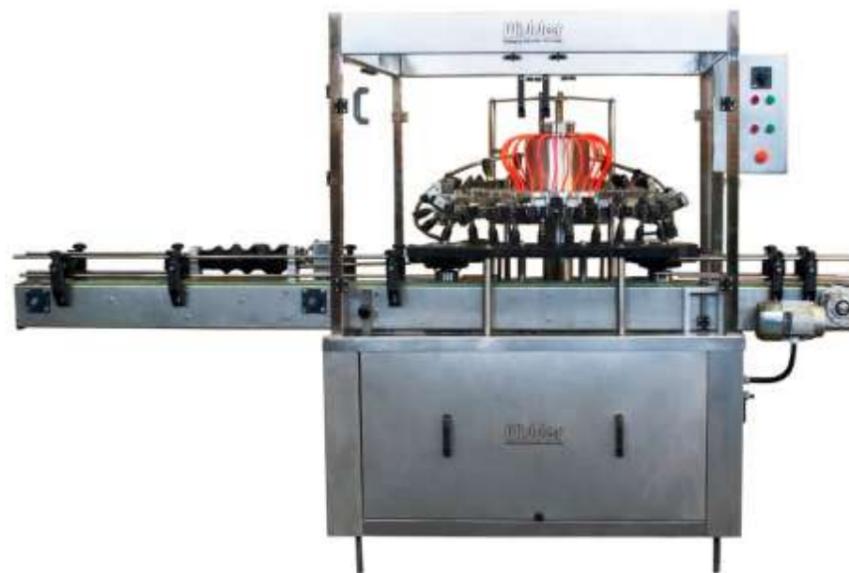
- The unique design of this machine has minimized lubrication of all mechanical components need and enables quick access to them for assembling and disassembling easily and quickly.



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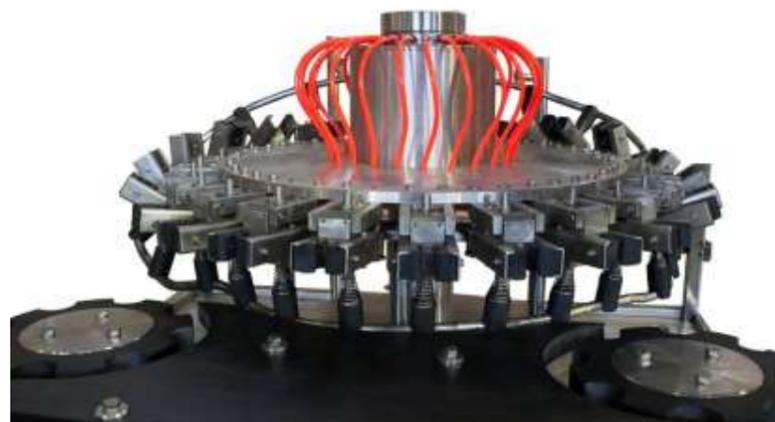
Rinsing unit neck holding bottle grippers & output Star



Rotary Rinsing machine



Output conveyor & control cabinet



Irregular screw Timing unit

The Rinsing unit's neck holding bottle grippers & input/output Stars

Technical Descriptions of Widder's Rotary Rinsing Machines

Description	Rotary 24 gripper model
Volume of Containers	150-2000 ml
Min & Max Containers height	35-350 mm
Container base	Rectangular, circular and oval
Nominal Output	2000 bph. up to 8500 bph.
Timing System of Bottles	Irregular screw
Power of Three-phase electric engine	2.2 & 0.37 KW
Electric engines Brand	Motowario, Siemens, A.B.B.
Reducer Brand	Motowario/ Italy
Electronic inverter	Three-phase inverter/Techo
Interface	Analog
Controller	Power
Main voltage	380 V AC. 50 Hz.
Power consumption	15 A
Conveyor & Cabin material	Stainless steel /304
Conveyor Length	3000 mm
Conveyor Height	1100 mm+-100
Conveyor Height adjusting system	Handy Screw Jack
Conveyor chain material	Stainless steel/316 or Acetyl resin
Cabin dimensions LxWxH	150x150x180Cm
Machine weight	1250 Kg.