

## *QCLX40 Ultrasonic Bottle Washer*



The QCLX40 ultrasonic bottle washer machine is used for the rinse of ampoule bottles, Vial bottles and infusion bottles wither plastic or glass, with outside diameter between diameters 10-30mm.

### **Operating Principle:**

1. Put all the bulk bottles into the ultrasonic washing tank for ultrasonic washing about 80 seconds.
2. Then the bottle feeding spiral conveyer will send the bottles to the lift driver wheel, and then the lifting wheel will send the bottles to the big drum.
3. The bottles will be clamped by a manipulator and turned over for 180° (bottle mouths downward), rotating along with the big rotating disk.
4. There are 6 group jet pipes with jet needles under the big rotating disk tracks. Water or compressed air will send (spray) to into the bottles, with certain frequency that depending on the washing requirement. Normally one complete washing procedure is that, there are circulating water spraying for two times, compressed air spraying for once, purifying compressed air spraying for two times again.
5. During that inside washing, there are water and compressed air praying and for outside bottles washing.
6. So that the washing for bottles is completed, then the washed bottles turn over for 180° (bottle mouths upward) by manipulator, feeding into a tunnel type oven by driver disk.
7. The frequency conversion can control the washing speed and productive capacity and also control and adjust the sequential coordination of each procedure.

**Technical Parameters:**

Power Source	380V 50Hz
Total Power	13kW
Ultrasonic Power	600W 27KHz
Washing Range	Bottle Diameter 10-30mm
Production Ability	12000Bottle/H
Pressure	0.35-0.45Mpa
Water Pressure	0.3-0.4Mpa
Water Consumption	0.38m <sup>3</sup> /h
Air Consumption	30m <sup>3</sup> /h
Broken Shoot	<1%
Weight	About 2000kg
Dimensions	2070x2100x1300(mm)(LxWxH)