

iNTERSONiK

K-MODEL

Multi-Station Ultrasonic
Washing Machines



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Multi-Station Ultrasonic Washing Machines



For Videos



%100 high washing quality of the removal of dirt from inaccessible points!

Guarantees the exact solution in production lines with effective, fast, economic, reliable and enviroment friendly washing quality,

Work pieces





Advantages

Ideal solution for removing oil, sawdust and dirt in post-manufacturing and maintenance cleaning.

Operation Processes

- Pre washing
- Ultrasonic washing
- Rinsing
- Passivation
- Drying

Application Areas

- Automotive industry
- Metal industry
- Military defense industry
- Food industry
- Electronic industry
- Optic industry
- Cleaning of textile machinery equipment
- Medical, manufacturing and surgical instrument cleaning
- Surface cleaning before painting and coating
- In all industries for maintenance purposes (PVC, rubber, aluminum moulds cleaning)

Operation Principles

In multi station ultrasonic washing systems, high frequency [25 kHz or 40 kHz] obtained in liquid, creates millions of microscobic air bubbles which are loaded with vacuum energy strike and expolde on dirty surfaces and so cutting oil, lime, blood tissue are removed. A single tank or multi station tanks and PLC controlled robot or manuel carrier system are designed and manufactured according to customers requirement and work piece specifications. The Ultrasonic power is determined considering tans[s]liquid volume and the parts.

Work pieces



Technical Specifications

Type	1K-50.40.40	1K-50.40.60	1K-60.50.40	1K-60.50.60 US	1K-80.50.60	1K-80.50.40	1K-100.50.40
Process Sequence	US / Ultrasonic Wash						
Internal Dimensions (LxWxH) (mm)	500 x 400 x 400	500 x 400 x 600	600 x 500 x 400	600 x 500 x 600	800 x 500 x 600	800 x 500 x 400	1000 x 500 x 400
Ultrasonic Power (W)	1000	1250	2000	2000	2500	2000	2500
Frequency (kHz) /	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Heater (kW x piece) /	4x1	4x1	6x1	6x1	6x2	6x1	6x2
Heater Control	Digital thermostat						
Heater Feature	With electric heater						
Timer	Digital timer						
Pump-Filter (Hp-micron)	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100
Discharge Valve	Spherical valve						
Isolation	O.K.						

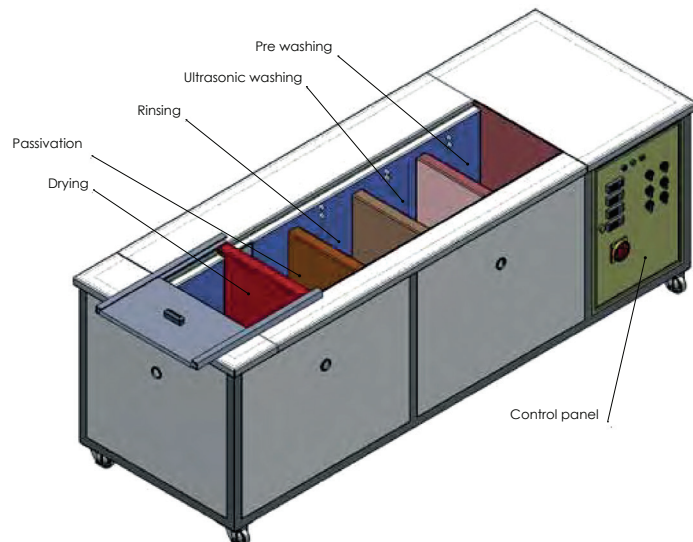
Type / Type	2K-50.40.40	2K-50.40.60	2K-60.50.40	2K-60.50.60 US	2K-80.50.60	2K-80.50.40	2K-100.50.40
Process Squence	VO+US						
Internal Dimensions (LxWxH) (mm)	500 x 400 x 400	500 x 400 x 600	600 x 500 x 400	600 x 500 x 600	800 x 500 x 600	800 x 500 x 400	1000 x 500 x 400
Ultrasonic Power (W)	1000	1250	2000	2000	2500	2000	2500
Frequency (kHz)	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Heater (kW x piece)	4x1	4x1	6x1	6x1	6x2	6x1	6x2
Heater Control	Digital thermostat						
Heater Feature	With electric heater						
Timer	Digital timer						
Pump-Filter (Hp-micron)	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100
Discharge Valve	Spherical valve						
Isolation	O.K.						

Type / Type	3K-50.40.40	3K-50.40.60	3K-60.50.40	3K-60.50.60 US	3K-80.50.60	3K-80.50.40	3K-100.50.40
Process Sequence	PW + US + R						
Internal Dimensions (LxWxH) (mm)	500 x 400 x 400	500 x 400 x 600	600 x 500 x 400	600 x 500 x 600	800 x 500 x 600	800 x 500 x 400	1000 x 500 x 400
Ultrasonic Power (W)	1000	1250	2000	2000	2500	2000	2500
Frequency (kHz)	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Heater (kW x piece)	4x1	4x1	6x1	6x1	6x2	6x1	6x2
Heater Control	Digital thermostat						
Heater Feature	With electric heater						
Timer	Digital timer						
Pump-Filter (Hp-micron)	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100
Discharge Valve	Spherical valve						
Isolation	O.K.						

Technical Specifications

Type /	4K-50.40.40	4K-50.40.60	4K-60.50.40	4K-60.50.60 US	4K-80.50.60	4K-80.50.40	4K-100.50.40
Process Sequence	PW + US + R + P						
Internal Dimensions (LxWxH) (mm)	500 x 400 x 400	500 x 400 x 600	600 x 500 x 400	600 x 500 x 600	800 x 500 x 600	800 x 500 x 400	1000 x 500 x 400
Ultrasonic Power (W)	1000	1250	2000	2000	2500	2000	2500
Frequency (kHz)	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Heater (kW x piece)	4x1	4x1	6x1	6x1	6x2	6x1	6x2
Heater Control	Digital thermostat						
Heater Feature	With electric heater						
Timer	Digital timer						
Pump-Filter (Hp-micron)	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100
Discharge Valve	Spherical valve						
Isolation	O.K.						

Type	5K-50.40.40	5K-50.40.60	5K-60.50.40	5K-60.50.60 US	5K-80.50.60	5K-80.50.40	5K-100.50.40
Process Sequence	PW + US + R + P + D						
Internal Dimensions (LxWxH) (mm)	500 x 400 x 400	500 x 400 x 600	600 x 500 x 400	600 x 500 x 600	800 x 500 x 600	800 x 500 x 400	1000 x 500 x 400
Ultrasonic Power (W)	1000	1250	2000	2000	2500	2000	2500
Frequency (kHz)	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Heater (kW x piece)	4x1	4x1	6x1	6x1	6x2	6x1	6x2
Heater Control	Digital thermostat						
Heater Feature	With electric heater						
Timer	Digital timer						
Pump-Filter (Hp-micron)	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100	1/2 - 100
Discharge Valve	Spherical valve						
Isolation	O.K.						



PW : Prewash
US : Ultrasonic Wash
R : Rins
P : Passivation
D : Drying