

ULTRASONIC PARTS WASHERS

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WORKING PRINCIPLE

The sandwich type transducers which are placed at the bottom of the tank induce cavitation by vibrating 40,000 times per minute. The parts are immersed in the liquid medium as being placed in the baskets or hanged on the racks would be cleaned thoroughly within seconds without sustaining any damage upon them. The operation cycle is controlled by the timer mounted on the machine. The bath temperature is adjustable as required within the range of the thermostat.

The Multi-Stage Parts Washers Facilitates The Below Mentioned Compartments:

1. Pre-Washing With Turbulance It is applied on the extremely dirty, oily and chipped parts via pre-washing with pressurized hot liquid. By this way, the service life of the ultrasonic bath would be prolonged.
2. Ultrasonic Washing: The parts, free of coarse contaminants, are cleaned thoroughly by ultrasonic effect.
3. Rinsing: The residuals of the chemical agents over the parts after leaving the washing stations would be completely removed at this station.
4. Drying: The left over liquid will be dried away at this station by applying pressurized hot air.

Upon request it is possible to integrate automatic water filling, automatic chemical dosing, oil separator, chips separator, extra filtration, and deionized water units as optional accessories to the related tanks. Suitable for demanding working conditions.

UTILIZATION FIELDS

This machine is utilized for the deburring and the deoiling of the parts which have complex concave surfaces hence the spraying technique fails to access thoroughly in to the complicated geometries.

It is utilized in;

- Automotive Industry,
- Food Industry,
- Metal Working Industry
- Optical Instruments Industry
- Medical Instruments Industry
- Textile Industry
- Electronics Industry
- Coating Industry

