

Automatic Ultrasonic Passivation

Automatic System for Passivation of Critical Parts

Integrated System Model E992



**Completely closed, modular system
incorporating integrated heated
storage containment tanks with a
self-contained, automatic ultrasonic
washer**



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Passivation Process:
(50—60 minutes)

1. Ultrasonic clean (alkaline)
2. Ultrasonic Rinse from Storage
3. Ultrasonic Passivation
4. Ultrasonic Rinse from Storage
5. Final Ultrasonic Rinse from Rinse Water Source
6. Dry

** User defined programming available

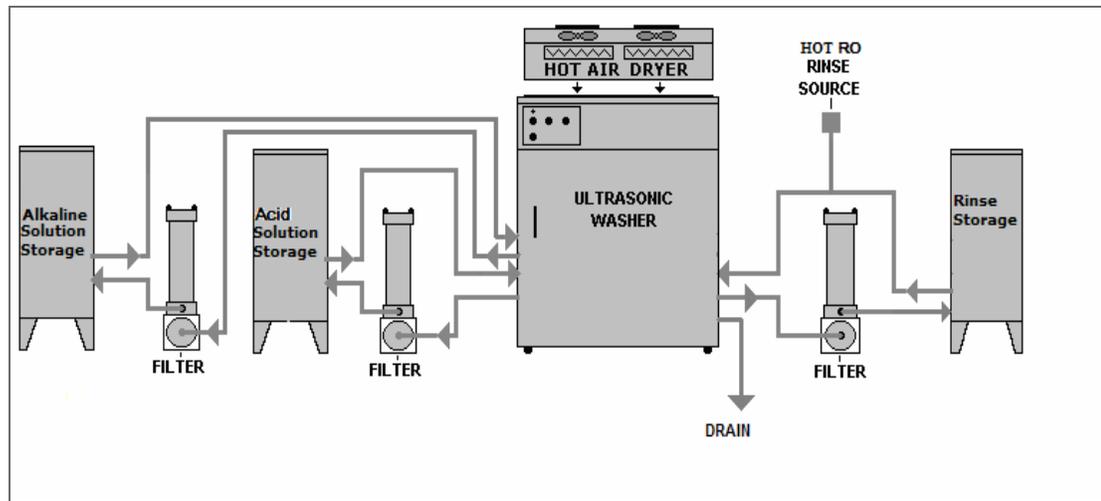
Our Model E992 automatic ultrasonic washer combined with 3 separate 30 gallon storage tanks creates a unique, completely closed and automatic ultrasonic passivation system for critical parts. The system runs a series of timed, automatic cycles of cleaning, rinsing, passivation, rinsing and drying, all at the push of a button.

An automated system provides labor savings as well as a reduction of risk as chemicals are housed in covered containment chambers and operators are not exposed to hazardous materials.

The components listed below would have the following ratings and dimensions:

- E992: 35" x 25" x 45"
Tank: 24" x 14" x 12" (18 gallons)
Ultrasonic wattage: 1,800
Dryer: 3,000 watts
- Storage Tanks: 15" x 30" x 30"
1,400 watts, temperature controlled heat

System Flow Diagram



Esma brand chemistries which can be used in system

- Esma Metal Wash—Mildly alkaline cleaning detergent
- Esma General Purpose Cleaner—Alkaline cleaning detergent
- Esma DeOx 964—Citric Acid Passivation Solution (meets ASTM 967-01 Standard)



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