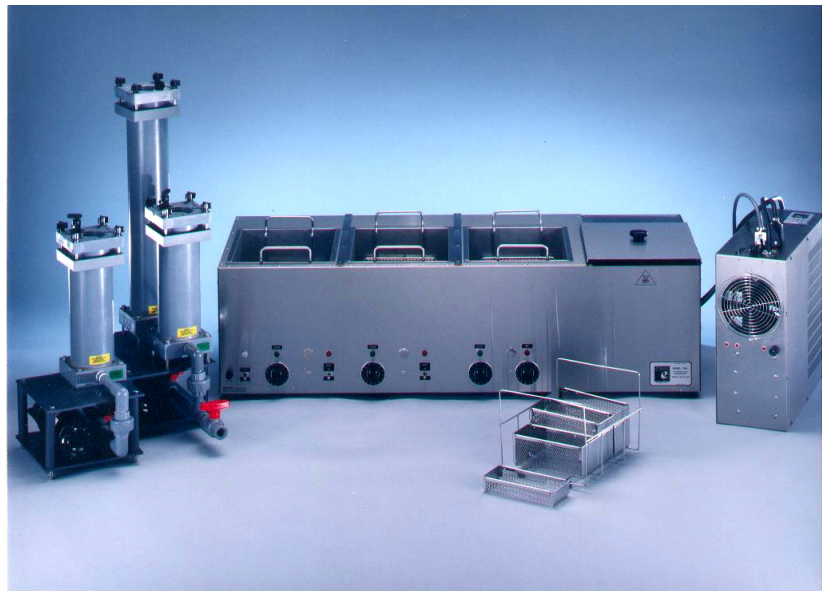




The Automatic Passivation Series

Multi-Tank Passivation Equipment



**Multi-tank ultrasonic system for
manual passivation process**



P.O. Box 734
450 Taft Drive
South Holland, IL 60473
800-276-2466
www.esmainc.com
Email: sales@esmainc.com

Features & Specs



Passivation Process:

1. Ultrasonic clean (alkaline)
2. Ultrasonic Rinse
3. Ultrasonic Passivation
4. Ultrasonic Rinse
5. Dry

Our E782 Multi Tank Ultrasonic Cleaning systems combined with our model E9881 Hot Air Dryer can be used as an effective passivation line by housing heated cleaning solution in tank 1, cascading DI rinse water in tank 2, passivation solution in tank 3, and a final cascading DI rinse water in tank 4 with a final hot air dry step.

The process would move from left to right whereby parts would be cleaned, rinsed, passivated, rinsed and then dried. Tank 1 and optionally tank #3 are equipped with pump filter systems which provide 5 micron filtration of the cleaning and passivation solution.

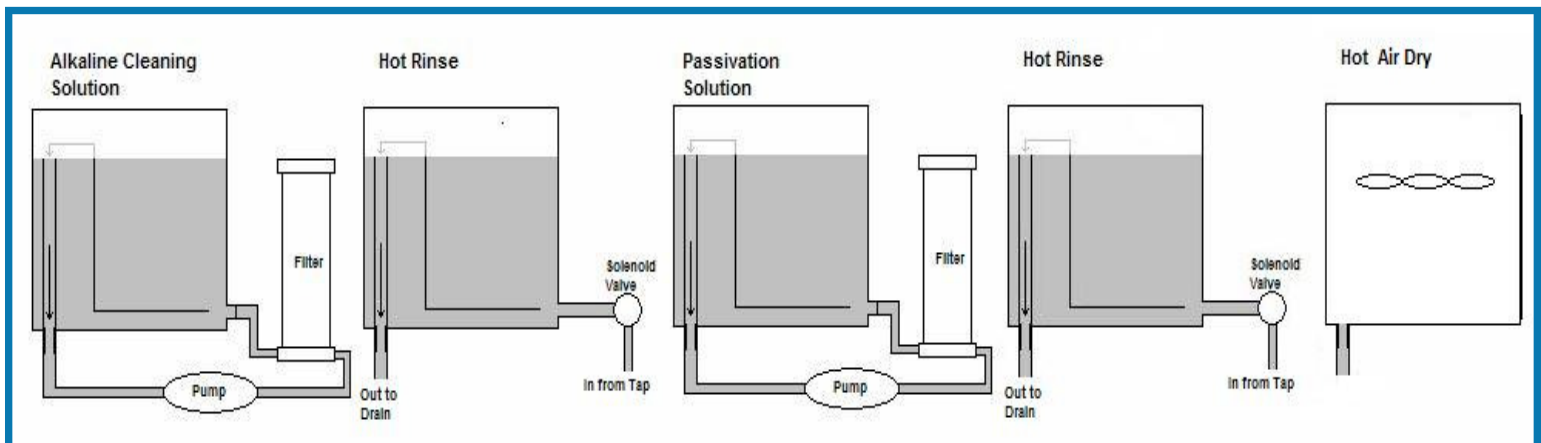
Esma brand chemistries which can be used in system

- 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)

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

- E782 Cleaning System E782 (Cleaner/ Rinser/Cleaner/Rinser)
Unit size: 46" x 18" x 12"
Power module 16" x 7" x 18"
Tank size: 12" x 10" x 8"
Digital timers
Digital temperature control
- E9881 Hot Air Dyer
Unit size: 12" x 18" x 12"
Tank: 12" x 10" x 8"

System Flow Diagram



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