

Multi-tank Passivation System



The Multi-Tank Series

E782CP-SA Semi-Automated Passivation System



**Multi-tank ultrasonic passivation system for:
clean/rinse/passivate/rinse/(dry)
applications**



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 (Acid)
4. Ultrasonic Rinse
5. Dry

Esma brand chemistries which can be used in system

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

Our E782CP –SA Console Mounted, Semi-Automated Passivation System can be used as an effective passivation line by housing heated cleaning solution in tank 1, cascading (DI) rinse water in tank 2, heated passivation solution in tank 3, and final cascading (DI) rinse water in tanks 4 & 5. Tank 6 is a hot air dryer.

The process would move from left to right whereby parts would be cleaned, rinsed, passivated, rinsed and then dried.



PLC-HMI for recipe creation and control of the ASTM967 passivation process.

Touchscreen prompts to instruct operators when and where to move baskets.

Data logging for storage and retrieval of cycle parameters for validation and Certification.



Cabinet Dimensions:

84”L x 30”W x 36”H (6 tank)

Tanks: 18”L x 12”W x 10”D

Ultrasonic power: 600 watts per “wet” tank

Dryer: 2,250 watts

Hot water Rinse inputs at 1-GPM max.

Optional: Pump/Filter systems as shown

Digital controls (optional)

- Digital timers
- Digital temperature controllers

** Customization of tanks and cabinet Available.



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