



The Automatic Passivation Series

Multi-Tank
Passivation Equipment
E188 - 9 Gallon System



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



P.O. Box 734
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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 E188-P Multi Tank Ultrasonic Cleaning/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 a final cascading (DI) water rinse in tank 4. Tank 5 is a 3,000 watt hot air dryer.

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

Tanks are approximately 9 gallon in capacity with dimensions approximately 18" x 12" x 10" (8" working depth), effective for small, precision parts. High powered ultrasonics are used in all the wet tanks and are very effective for the cleaning/decreasing step as well as in the passivation tank for agitation of the parts to ensure full coverage of the acid solution. Ultrasonic, cascading rinses are extremely effective for complete rinsing of parts.

Each component is made of high quality and corrosion resistant stainless steel.

The system uses individual tank modules:

E188 - Ultrasonic Cleaner - 900 watts ultrasonic with filtration

E288 - Ultrasonic Rinser - 600 watts ultrasonic with overflow cascade

E388 - Hot Air Dryer - 3,000 watts heat at 200 cfm

Tank size:- 18" x 12" x 10"

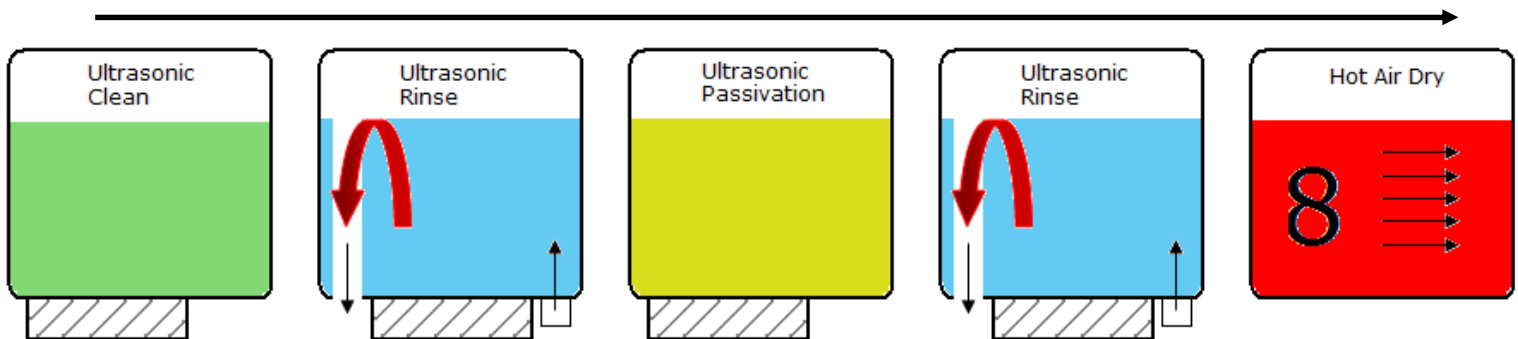
Unit size - 37" x 13" x 12"

Generator- 8" x 7" x 18" (Cleaner & Rinser only)

Digital timers

Digital temperature controllers

System Flow Diagram



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