

Passivation Systems



Nitric, Chromic, or Citric Acid Passivation

Modular Construction

Systems are preassembled at the Aqualogic factory. Modularization includes plumbing for water, steam, and enclosed drains. Electrical wiring is completed for programmed hoists, temperature controls, solenoids, level controls, and timers with junction boxes between sections. Systems are assembled and tested for customer approval prior to shipment.



Automated System Features

- PLC Control
- Various style hoists; overhead, sidearm or rimrider
- Process monitoring and control
- Variable frequency drive controls
- Self-diagnostics and alarms
- Touchscreen operator interface
- Steam solution heat
- Static load/unload station(s)
- Preventive maintenance prompts
- Factory assembly and run-off for customer approval prior to shipment
- Variable immersion times
- Automatic•Semi-automatic•Manual hoist control
- NEMA 12 hoist and motor control enclosure.

Automated Benefits

- Flexibility:
- Consistent Passivation Results
- Un-Attended Processing
- Increased Productivity
- Maintain Quality Standards
- Process Traceability

Optional Features

- Machine enclosure
- Laser hoist positioning
- Tank fume extraction
- Ultrasonics
- Baskets, fixtures, racks
- Fixture/Basket rotation or oscillation
- Oil/water separation
- Solution turbulence
- Vertical part agitation
- Solution filtration
- Water conservation
- Gas or electric heat
- Material handling
- Loaders/dumpers
- Parts dryers
- Auto-chemical replenishment
- Bar code part entry
- Microfiltration
- Acid recovery
- Manually operated monorail hoist
- Installation services
- Wastewater Treatment