

Automatic hoist systems

Aqualogic develops integrated hoist systems for rack, basket, tray, or rotating barrel for new applications or for retrofitting existing manual or automatic lines.

The Aqualogic programmable hoist operates as a manual, semi-automatic, and automatic hoist for use in cleaning, phosphating, hot or cold blackening systems, anodizing, chromate conversion coatings, e-coat, in addition to complete multi-cycle metal finishing processes.

Hoist capacities to 5000 lbs, with work lengths to 12 Ft long.

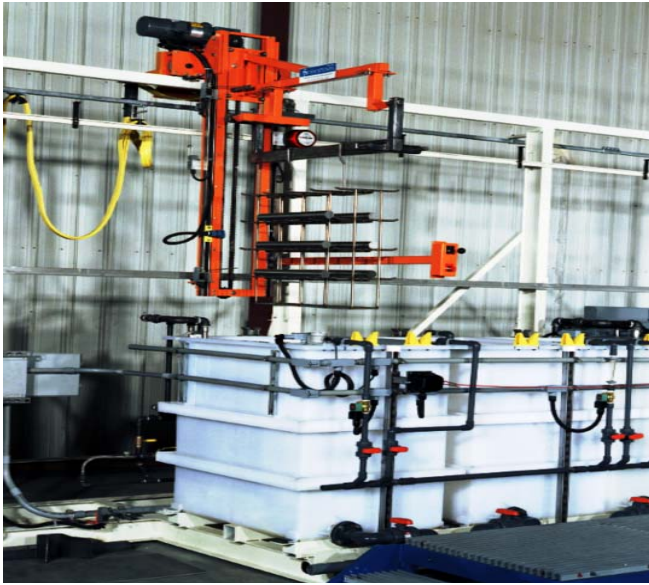
Top running hoist system affords easy access for maintenance.



Hoist line will accommodate an extensive range of tank configurations including ultrasonics. All models include variable frequency motor controllers with adjustable acceleration and deceleration for smooth, controlled stops and starts. Traverse brake wear is virtually eliminated. Industrial proximity switches are controlled and monitored through state of the art PLC's for consistent station control.

User friendly operator interface controllers compliment control systems. Full fault diagnostics are provided with the programming to simplify maintenance. Multiple machine cycles can be stored in the operator interface memory, eliminating continued access to the systems' programming.

Visit our web site at www.aqualogic.com for more information.



Standard 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.

Modular Construction

Systems may be 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. All hoists are assembled and tested for customer approval prior to shipment.

Optional Features

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