

LS Industries

designs, engineers and manufactures
environmentally-safe washers and
pretreatment equipment.

Flow Through Washers



Innovation, experience and commitment to your cleaning solution

LS provides more than 35 years experience in the engineering design and manufacturing of metal cleaning and surface preparation equipment. Working with you and your staff, LS can provide solutions that meet your requirements and integrate with your existing systems. The on-site LS engineering staff provides advanced computer design solutions for efficient metal cleaning, pretreatment and surface preparation.

Our quality components are industry standard and combined with rugged construction, make LS Industries a leader in washer manufacturing. Equipment production is overseen by the engineering staff through all phases of manufacturing ensuring exacting specifications. With industry standard electrical components, controls and superior pumps, your LS washer will be low maintenance, long lasting and efficient providing you a value that quickly realizes a profit.

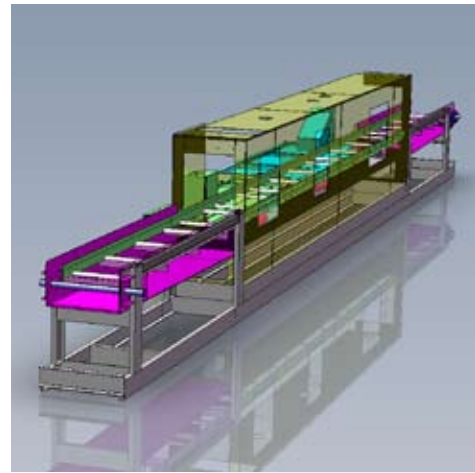
Focused on superior customer service from the initial contact and for the life of your equipment, LS strives to be the best manufacturer and supplier of metal cleaning equipment and parts. Whether you're managing a single LS product or a suite of machines, you need quick access to the right parts. LS Industries provides parts orders quickly, efficiently and cost effectively.

A streamlined parts procurement process:

- Real-time price and availability
- Provide high-quality OEM parts
- Alternate part options.

Our staff will provide a comprehensive list of parts at time of purchase. Included is a recommendation of shelf parts. A standard preventative maintenance schedule will help you manage your equipment efficiently. Budget forecasting is as simple as averaging your accrual of hours run. We cover your machine entrance to exit.

LS Industries from design, to manufacturing, to service, LS Industries is committed to providing the highest level of performance to exceed your metal cleaning and pretreatment needs.



3D modeling of designs



Work sensing eye for system automation

LS Advantages

- Quality and Value
- Low Maintenance
- Low Operation Cost
- Fast, Efficient, Reliable
- Expert Design And Craftsmanship
- Fully Integrated, Turn-Key Systems
- System Integration
- Biodegradable Detergents
- Extensive Parts Department

How does it work

Parts are carried through the cabinet on a power driven conveyor. Each stage has an vestibule with its own spray manifold charged by a seal-less vertical shaft pump. The manifold distributes the cleaning solution through strategically placed spray jets. The number of jets are matched to the pressure needs of the cleaning requirements. High temperature of the cleaning solution combined with the high-pressure jet spray floods the parts cleaning and pretreating as needed.

At the heart of the LS washer and pretreatment system is an industrial duty vertical close-coupled pump designed to be both reliable and efficient. The heavy-duty one piece shaft construction has no seals, bushings, or metal to metal contact below the mounting plate, assuring a long, maintenance free life. Each pump is performance matched to a spray manifold design fitted with a precise number of precision spray jets. Each jet is strategically located to give complete parts coverage and to ensure maximum spray impact.

Thermostatically controlled heat sensors keep the cleaning solution at the proper temperature. A filter debris screen keeps the pump intake free of clogs. A NEMA rated control panel houses electrical components that are UL and CAS registered.

The pressure of the spray combined with the high temperature cleaning solution does all the work, scrubbing parts down to bare metal. Heavy-duty belt or disc oil skimmers are available to keep the cleaning solution free of oil and grease. Reduce labor increase efficiency and let an LS Industries washer do the work for you. LS Industries' washers and pretreatment systems are available in standard and custom configurations to meet your needs!

Biodegradable Detergents from LS Industries are specifically designed to cut through grease and grime fast. Formulations are available for both ferrous and non-ferrous metals.

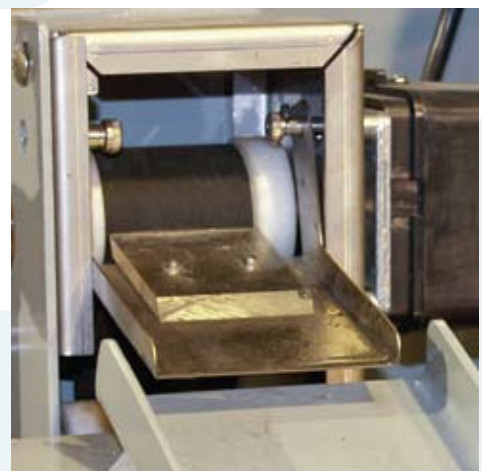
LS Industries' washers are backed by a full One Year Warranty. Our Parts Department offers a complete line of detergent and replacement parts available with just one phone call.



Engine blocks after washing



8' Flow Through Washer 8FTW



Belt skimmer for removal of oils and greases

Machines Include:

- Reinforced channel iron frame
- Steel cabinet construction
- Robertshaw thermostat
- Guards for all moving parts
- Seal-less vertical shaft pump
- Single or multiple stages
 - Prewash
 - Wash
 - Fresh Water Rinse
 - Deionized Water Rinse
 - Acid Wash
 - Rust Proof Rinse
 - Ambient Air Dry
 - Heated Air Dry
 - Other stages upon request

Optional Accessories:

- Stainless steel construction
- Stainless steel pump
- Extended conveyors
- Electrical / Voltage / Phase
- PLC / Automation
- Work sensing electronic-eyes
- Integrated blow offs
- High weight capacities
- Small parts basket
- Special baskets / fixtures
- Special medias
- Special blast patterns
- Custom cabinet configurations
- Custom material handling
- 7-Day heat timer
- Electric or Gas heat
- Oil skimmers
- 7-Day oil skimmer timer
- Automatic sludge drag
- Hydro-Cyclonic cleaning solution filtration
- Level sensing automatic water fill
- Flow control valves
- Automatic loading / unloading
- Access ladders, stairs and platforms

Industries served:

- Anodizing
- Automotive/Diesel
- Casters
- Coaters
- Concrete
- Fabrication
- Foundry
- Galvanizing
- Heat Treaters
- Manufacturing
- Metal Improvement
- Peening
- Railroad
- Reman
- Service Centers
- Stampers



Cell washers for manufacturing integration



Blow off for parts drying