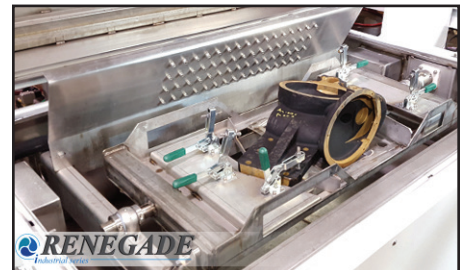


## PARTS WASHERS FOR PRODUCTION PROCESS CLEANING

### Automatic Top Load Wash Rinse Dry System with Rotary Part Fixture Assembly



#### COMPONENT HIGHLIGHTS



Rotary Fixture Assembly with Spray Manifold



Control Station with Dual Zero Force Touch Buttons



Dry Cycle Blower



Wash Cycle and Rinse Cycle Filtration System

#### DESCRIPTION

The Renegade I-Series Wash, Rinse, Dry Rotary Fixture System cleans challenging dirt, debris, and chips. Like a rotisserie, as the part rotates from its balanced centerline, the spray manifold thoroughly flushes fine particulates from blind holes and other hard to clean cavities. During the dry cycle, rotation action dumps water from blind holes and hard to reach areas. Renegade creates the custom fixtures to accommodate your parts.

Renegade engineers and sales representatives listen to your special cleaning challenges to meet your clean specification or stringent warranty requirements. Maximize efficiency with Renegade custom designed parts washer systems for your production cell cleaning operation.

#### KEY FEATURES AND BENEFITS

- Wash Rinse Dry: Three-Stage Cleaning Efficiency
  - Wash Cycle and Rinse Cycle Filtration System
  - Washer Filtration Complies with Stringent Clean Specifications:
    - Wash Cycle Filtration: 50 microns
    - Rinse Cycle Filtration: 5 microns
  - Washer PLC/HMI Touch Screen Controls:
    - Preset Wash Cycles
    - Preset Maintenance Cycles
    - Filter Monitoring
    - Temperature Display
    - Low Water Warnings
    - 7-day Timer for Heating and Skimming
  - Wide Range of Load Capacities
- Rotary Zone Dimensions: Diameter: 27" x 43" Long
  - ACT (Average Cycle Time) 10 minutes\*
  - Auto Open/Close Lid Feature
  - Custom Designed Fixtures Allow Multiple Parts per Wash Cycle (Depending on Part Size)
  - Dual Safety Light Curtain
  - Wash/Rinse Automatic Fill
  - Wash/Rinse Low Water Safety
  - Ethernet Connection
  - Filtered Fresh Air Intake
  - Oil Skimmer for Wash Tank
  - Power Vent for Fast Steam Removal
  - Spray Manifold for Custom Fixtures
  - Stack Light

\*Estimated average range. Cycle times will vary depending on production cell operations, part size, part shape, part weight, and product supply. Subject to changes and modifications without notice.

I-Series Wash, Rinse, Dry Rotary Fixture System Rev. 05-2016



**CALL: 800-774-7900**  
**EMAIL: [sales@renegadepartswashers.com](mailto:sales@renegadepartswashers.com)**

## PARTS WASHERS FOR PRODUCTION PROCESS CLEANING

### INDUSTRIAL APPLICATIONS

<b>Fabrication Parts Cleaning</b>
<b>Industrial Parts Cleaning</b>
<b>Machine Shop</b>
<b>Large Casting CNC Machining Facilities</b>
<b>Production Engine Shops</b>
<b>Production Machining Facilities</b>
<b>Remanufacturing Facilities</b>
<b>Transmission Machine Shops</b>
<b>Transportation Production Centers</b>

### I-SERIES WASH, RINSE, DRY ROTARY FIXTURE SYSTEM CUSTOMER GOALS

#### VERSATILITY

- Designed to accommodate proprietary parts of different sizes with custom fixtures as required.
- Advanced automation through PLC and HMI.

#### COST REDUCTION

- Automated process reducing labor cost.
- Three-stage wash, rinse, dry cycle efficiently keeps part in one system.
- Cleaned parts are more prepared for finishing.

#### INCREASE PRODUCTIVITY

- Quickly and efficiently clean a high volume of parts with the shortest lead time between production and final end-user installation.
- Effective process throughput improvement from reduction in human intervention.
- Lower ACT (Average Cycle Time) Rate Range: 6 – 12 minutes

#### SAFETY

- Control Station with Zero Force Touch Buttons
- Light Curtain

### RENEGADE CUSTOM PARTS WASHERS

Manufactured by Service Line, Inc. since 1996, Renegade designs and manufactures parts washers for unique industrial process cleaning applications.

With an extensive archive of successful machines, choose from our automatic top load or front load systems configured for your application.

Contact the Renegade Team if your parameters for custom design production process cleaning include one or more of the following parameters:

- **Achieve Consistent Clean Specification Requirements**
- **Custom Sump Sweep Tank**
- **Difficult Cleaning Challenges Such as Blind Holes, Tapped Holes, Delicate Features, Etc.**
- **Expanded Height, Length, Diameter, Or Weight - Available as Specified**
- **Higher Production or Cycle Time Range**
- **High Pressure Requirements**
- **Multi-Stage Wash Rinse Dry**
- **Parts Washer Detergent Considerations or Requirements for Items to be Cleaned: De-Foaming, Rust Preventative, Solvent-Free, Environmental Concerns, or Health Concerns.**
- **Special Fixtures**
- **Special Proprietary Parts Cleaning and More**
- **Uncommon Parts Requiring Drawing Submittals**
- **Zero Contamination Requirements**

For the complete list, contact a Renegade Consultant at 800-774-7900. Renegade will conduct a thorough analysis of your parts cleaning requirement and will create a system for your budget.

### RENEGADE PARTS WASHER DETERGENT

Renegade's history of providing parts washer solutions also includes a wide variety of **soaps and detergents** for use in parts washer systems. Renegade's experience in the industry led to the development of special non-solvent based surfactants that are both environmentally safe and health conscious for your employees.

Use Renegade low-foaming detergents to remove grease, soil, paint, corrosion, oil, and other contamination from parts' surfaces. Choose from manual or automatic detergents, degreasers, additives and hand cleaners. **Learn more and order now, call 800-774-7900 or go to Renegade at [www.partwasher.net](http://www.partwasher.net).**

### RENEGADE PARTS WASHER HARDWARE AND SUPPLIES

As a full service parts washer solution provider, Renegade supports the maintenance and performance of your parts washer with a wide range of parts and supplies such as filter cartridges, baskets, brushes, and hoses. **Learn more and order now, call 800-774-7900 or go to Renegade at [www.partwasher.net](http://www.partwasher.net).**

*"We specialize in creating quality custom industrial parts washers that meet unusual and challenging customer requirements."*

*Dave Barney – President & Founder*