

## CUSTOM DESIGNED PARTS WASHERS FOR PRODUCTION PROCESS CLEANING

### Agitation Dip Tank Automatic Top Load Immersion Wash System with PLC Integration



#### COMPONENT HIGHLIGHTS



Pneumatic Mechanism



Pump Motor and Filtration System



Wash Platform with 550 lbs. Lift Capacity

#### DESCRIPTION

The **Renegade I-Series Automatic Agitating Dip Tank Top Load Parts Washer** immerses parts to efficiently clean your components. The durable pneumatic lift mechanism provides multi-function soaking and vertical agitation. Upon completion of the wash cycle, the lid automatically opens, and the platform raises pneumatically. Renegade Industrial Series Parts Washers for production process cleaning are designed for high production, repetitive cleaning operations. Customize your system with a wide range of options to increase automation. The account and engineering team at Renegade Parts Washers work with you to assess your cleaning operations process, including a review of your parts, their contaminants, production rates, automation requirements, and clean specification goals. Maximize efficiency with Renegade custom designed parts washer systems for your production cell cleaning operation.

#### KEY FEATURES AND BENEFITS

- Agitation: 25 – 40 strokes per cycle
- Lift Capacity: 550 Lbs.
- Automatic Door Reduces Solution Evaporation
- PLC/HMI Touch Screen Controls:
  - 7-day Timer for Heating and Skimming
  - Filter Monitoring
  - Low Water Warnings
  - Preset Maintenance Cycles
  - Preset Wash Cycles
  - Temperature Display
- 460 V 3 Ph or 230 V 3 Ph
- ACT (Average Cycle Time) 10 minutes\*
- Automatic Fill
- Automatic Low Water Level Shut Down
- Heavy Duty 11 Gauge Steel or Stainless Steel Construction

- Max Solution Temperature 190 degrees
- Oil Skimmer for Wash Tank
- Proximity Switches
- Washer Door Lid Safety Switch
- 2 HP Wash Cycle Pump
- 12 KW Heater
- Sump Capacity: 250 Gallons
- Stainless Steel grate

#### Wash Zone Dipping Space:

39" L x 28" W x 30" D

Platform Dimensions: 35-1/2" L x 24" W

Machine Dimensions: 51" L x 45" W x 76" H

**I-SERIES AGITATION DIP TANK VIDEO DEMO ►**

I-Series Agitation Dip Tank Rev. 02-2019 \*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.



**CALL: 800-774-7900**

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## CUSTOM DESIGNED PARTS WASHERS FOR PRODUCTION PROCESS CLEANING

### INDUSTRIAL APPLICATIONS

Aviation and Aircraft Parts Cleaning
Fabrication Parts Cleaning
Industrial Parts Cleaning
Machine Shop
Large Casting CNC Machining Facilities
Production Engine Shops
Production Machining Facilities
Remanufacturing Facilities
Transmission Machine Shops
Transportation Production Centers

### DISCOVER THE DIFFERENCE AND LEARN WHEN CUSTOM PARTS WASHERS ARE BEST FOR YOUR PRODUCTION CELL

Since 1996, Renegade Parts Washers has cleaned parts for hundreds of companies in domestic and international markets in a broad range of industrial categories. 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
- Difficult Cleaning Challenges Such as Blind Holes, Tapped Holes, Delicate Features, Etc.
- Expanded Height, Length, Diameter, Or Weight - Available as Specified
- Lower Production Cycle Times
- 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
- Zero Contamination Requirements

Renegade will conduct a thorough analysis of your parts cleaning requirement and will create a special order system for your budget.

### RENEGADE I-SERIES CUSTOM COMPONENTS AND ENHANCED FUNCTIONALITY

- Automatic Doors
- Closed Loop Rinsing Cycle
- Custom Blowers
- Custom Hot or Cold Air Quick-Dry to Prevent Flash Rusting
- Custom Parts Fixtures
- Door Interlock Safety Switch
- Filtration Systems with Finer Reduction Efficiencies to Comply with Stringent Cleanliness Specifications
- Gas Heat
- Heated Drying Cycle
- Heater Capacity Range
- Hot Water Rinse Applications
- Increased Load Capacities
- Large 12" HMI
- Oil Coalescent
- Overhead Jib Crane
- Part Tumbling Baskets
- PLC Integration of New Parts Washer To Existing Production Cell
- Power Exhaust Vent
- Pump Capacity Options
- Rinse to Drain Cycle
- Robotic Load Systems
- Rotary Part Fixture System
- Safe Touch Heat Shielding
- Specialized Gantry Cleaning Platforms for Heavy Parts That Require Special Access to The Washing Platform
- Spray Bar "Home" Positioning
- Stainless Steel Infrastructure for No-Rust Durability
- Targeted Drying
- Two-Tiered Turntables
- Ultrasonic Functionality

### INDUSTRIAL PRODUCTION PROCESS CLEANING APPLICATIONS

- Cleaning for remanufacturing processes.
- Cleaning prior to anodizing and functional coatings procedures.
- Fluorescent penetrant inspection (FPI) quality control procedures.
- Remove oil, chemical compounds, and chips from large castings and machined components.

### I-SERIES AGITATION DIP TANK SYSTEM CUSTOMER GOALS

#### VERSATILITY

- Advanced automation through PLC.

#### COST REDUCTION

- Automated process reducing labor cost.
- Cleaned parts are more prepared for finishing.

#### INCREASE PRODUCTIVITY

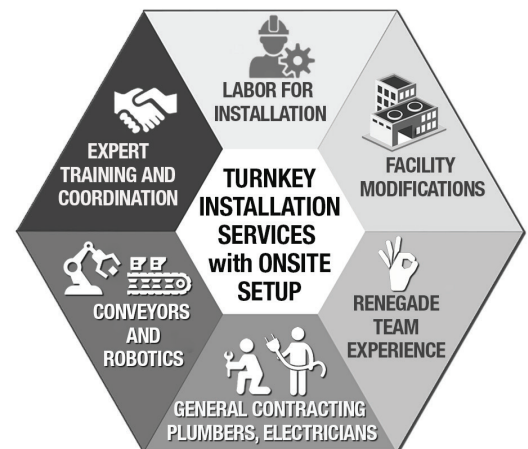
- Quickly and efficiently clean a high volume of parts with the shortest lead time between production and final end-user installation.
- Effective process throughput improvement from reduction in human intervention.

### 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).**

### ASK ABOUT ONSITE SETUP SERVICES



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