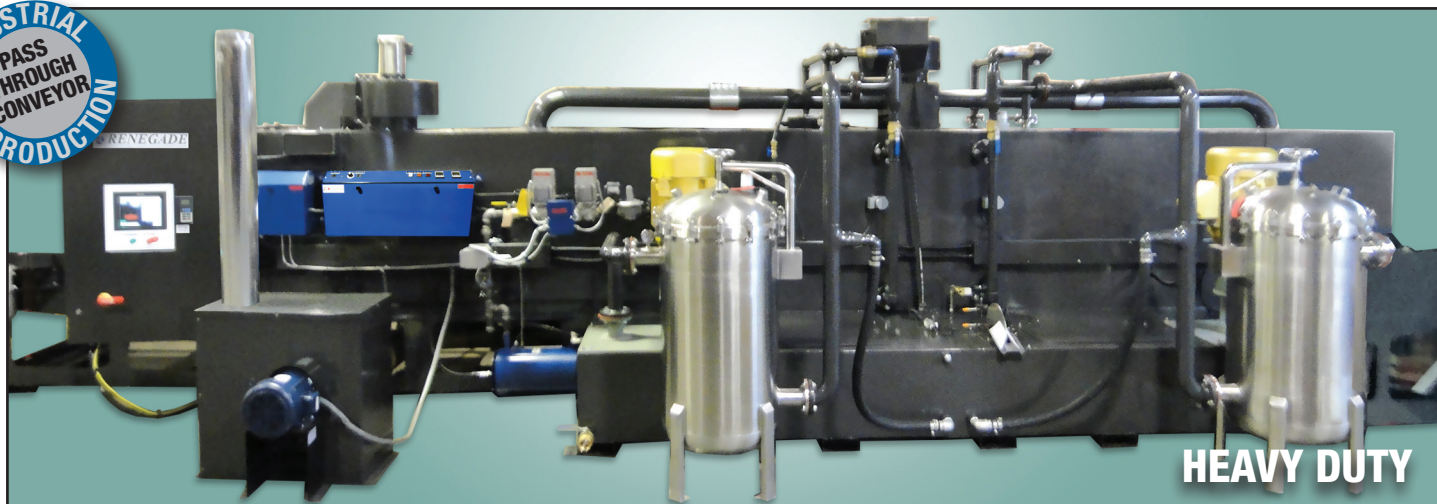


CUSTOM DESIGNED PARTS WASHERS FOR PRODUCTION PROCESS CLEANING

Automatic Conveyor Pass-Through Wash Dry Gas Immersion Heat System



Renegade I-Series Two-Stage Pass Through Washer WD Gas Immersion Dimensions: Length: 34'-1/2"; Height: 9'-1/4" inches; Width: 10'-1/2" inches.

DESCRIPTION

The **Renegade I-Series Heavy Duty Pass-Through Gas Heat Wash, Dry Parts Washers System** delivers 2-stage continuous cleaning efficiency to clean and dry complex, multi-ported parts transported via inline conveyorized operation. The wash stage contains oscillating spray manifolds with strategically-placed nozzles to deliver high pressure force and high temperature cleaning. The dry stage contains a powerful air blower to remove residual water from even hard to reach cavities. Conveyor "tunnel" cleaning systems are designed for high production, repetitive cleaning operations and stages can be configured in any order. The Renegade Modular Conveyorized Cleaning System reduces labor and increases operational efficiency for real impact on your cost of operation.

KEY FEATURES AND BENEFITS

- Flow Through Wash System: 2-Stage Wash Rinse Dry Cleaning with Separate Wash Zone Compartments
- Washer PLC/HMI Touch Screen User-Friendly Controls:
 - 7-day Timer for Heating and Skimming
 - Filter Monitoring
 - Low Water Warnings
 - Preset Maintenance & Wash Cycles
 - Temperature Display
- 230 V 3Ph ; 460 V 3Ph
- Automatic Low Water Level Shut Down
- Ethernet Connection
- Heavy Duty, Variable Speed Conveyor Transport System with Custom Fixture Carts
- Rugged Stainless Steel Construction
- Max Solution Temperature 185 degrees
- Oil Skimmer for Wash Tank
- Power Vent for Fast Steam Removal
- Proximity Switches
- Debris Screen to Catch Debris Above the Water Level

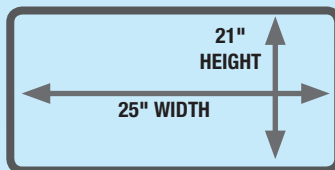
- Drain and Overflow Ports
- E-Stop at Load And Unload

WASH CYCLE STAGE SPECS:

- Two 30 HP Heavy Duty Wash Cycle Pumps
- 1.2 Million BTU Gas Immersion Heat System
- Tank Volume - 1300 Gallons

HEATED DRY CYCLE

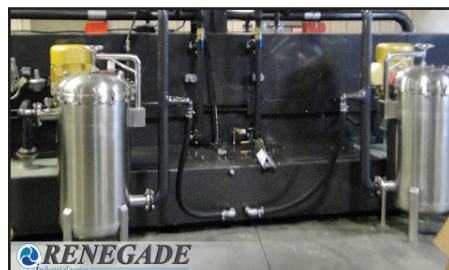
- 3 HP Blower



WASH ZONE SPECS:
 4500 LB. LOAD CAPACITY

I-SERIES PASS-THROUGH VIDEO DEMO ►

COMPONENT HIGHLIGHTS



Dual 6-Bag Filter Assemblies for Wash Cycle; Heavy Duty Dry Cycle Blower; Power Vent for rapid steam removal.



Oscillating spray manifolds and blower manifolds positioned for upper, lower, and side direction deliver high volume force for maximum cleaning and drying. Rugged variable-speed conveyor system with custom fixture carts.

I-Series HEAVY DUTY PASS THROUGH WASHER - GAS HEAT Rev. 2-2018 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

EMAIL: sales@renegadepartswashers.com

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

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
- 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

- Closed Loop Rinsing Cycle
- Conveyor Configurations Include Straight, 90 Degree and 180 Degree
- 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
- Stainless Steel Infrastructure for No-Rust Durability
- Targeted Drying

I-SERIES INLINE PASS-THROUGH CONVEYOR WD WASH SYSTEM CUSTOMER GOALS

VERSATILITY

- Advanced automation through PLC and HMI.

COST REDUCTION

- Automated process reducing labor cost.
- 2-stage wash, 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.

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.**

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