

I-Series AP TL 3018 WRD



Lights-Out Cleaning Power, Engineered for Robotic Precision

PRODUCT OVERVIEW

The I-Series Automated Production Top Load 3018 Wash Rinse Dry (I-Series AP TL 3018 WRD) is a cutting-edge, fully integrated wash, rinse, and dry system built for robotic loading and automated workflows. Purpose-engineered for in-cell production, this machine communicates directly with your robotic systems to enable seamless, lights-out operation. With a 30-inch top-load turntable, automatic lid, and custom fixture options, it's designed to deliver reliable, repeatable performance in high-throughput environments where consistency and speed are critical.

Inside, high-horsepower pumps, stainless steel heaters, digital sensors, and advanced filtration work together to ensure each part is cleaned to precise standards. Designed to clean machined parts that require a stricter cleanliness spec, the I-Series AP TL 3018 WRD offers industrial-grade efficiency, safety features like a light curtain for robotic integration, and maintenance-friendly design.

Industry 4.0 Compatible: This Renegade I-Series system is Industry 4.0 compatible meaning it can be connected to real-time monitoring, predictive maintenance, and customizable interfaces, making cleaning systems smarter, more efficient, and cost-effective.



SPECIFICATIONS

Cubic Volume of Wash Zone	7.36
Height (inches)	18
Diameter (inches)	30
Wash Sump Capacity (gals)	207
Max Footprint Square Footage (cf)	106.2
Max Dimensions	22' L x 8' 2" W x 8' 1" H
Electric	230-460V 3 Phase
Load Capacity (lbs)	500
Max Temp (degrees F)	185
Wash Pump (hp)	7.5

STANDARD FEATURES

- ✓ Wash Pump
- ✓ Programmable Wash Cycle Timer
- ✓ Gear-Driven Turntable
- ✓ 7-Day Heater Timer
- ✓ Adjustable Solution Temperature
- ✓ Automatic Low Water Level Shutdown
- ✓ Programable Oil Skimmer
- ✓ Digital Temperature Readout
- ✓ Autofill System
- ✓ E-Stop
- ✓ Wire Labels
- ✓ Allen Bradley PLC

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COMPATIBLE OPTIONS

CORE OPERATIONS

- ✓ Rinse
- ✓ Rinse to Overflow
- ✓ Rinse to Pump Out
- ✓ Closed Loop Rinse
- ✓ Hot Water Rinse Applications
- ✓ Dry
- ✓ Heated Drying Cycle
- ✓ Centrifugal Blower
- ✓ Compressed Air Knife

CONTROL

- ✓ Large Touch Screen HMI Control Panel
- ✓ VFD Motor Controls

AUTOMATION & LOAD HANDLING

- ✓ Interface for Robots and Conveyors
- ✓ Overhead Jib Crane Access

CUSTOM FIXTURE

- ✓ Turntable Containment Ring
- ✓ Parts Tree
- ✓ Turntable Top
- ✓ Custom Fixtures

CONSTRUCTION

- ✓ 11 Gauge Stainless Steel
- ✓ HD Package - Increased Load Capacity

WATER & TEMPERATURE MANAGEMENT

- ✓ Keyence Level Sensor
- ✓ Foam Sensor
- ✓ Power Exhaust Vent
- ✓ Gas Heat
- ✓ Heater Upgrade
- ✓ Pump Upgrade

WASTE REMOVAL

- ✓ Dual Oil Skimmer
- ✓ Filtration
- ✓ Filtration w/ Sump Sweep
- ✓ Oil Separation
- ✓ Discharge Pump
- ✓ Sludge Conveyor
- ✓ Drain Kit

ADDITIONAL SAFETY

- ✓ Power Disconnects
- ✓ Additional Employee Safety Labels
- ✓ Increased Short Circuit Current Routing (SCCR)
- ✓ Light Curtain
- ✓ Absence of Voltage Test Point

ABOUT US

Partner with Renegade Parts Washers to design a parts-washing system tailored specifically to your requirements, unlocking the full potential of your operations. We actively collaborate and partner with customers to understand their needs and surpass their expectations by providing custom parts washer machines, and detergent solutions.

Parts Washer and Cleaning Solutions Since 1996



RENEGADE'S DETERGENTS

Our expertise extends to a full range of custom-formulated, high-performance soaps and detergents, each crafted specifically for parts washer systems. Designed with your operation in mind, our low-foaming, non-solvent based surfactants are tough on grease, oil, corrosion, and contaminants—yet safe for your team and the environment. Visit our online store at PartWasher.Net



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