

I-Series AP TL Robotic Station WD



Clean w/ Robotic Precision & Versatile Spray Configurations

PRODUCT OVERVIEW

The Renegade I-Series Automated Production Top Load Robotic Wash Dry Station (Spray Off Cabinet Washer) is an **in-cell robotically held part for automated production**. This quick wash is **designed to handle high production rates** for cleaning off heavy chip, heavy coolant containments.

A robotic arm is required, and parts are lowered into the cabinet for cleaning while still gripped by the robot. Wash and dry cycles are determined via communication with the robotic arm and the facility's communication system. Multiple spray manifold configurations for strategically washing with variable nozzle pressures from 1-40 psi. The blow off stage compartment contains a powerful air knife to remove trapped or pocketed water.

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	36.60
Height (inches)	36
Width (inches)	48
Depth (inches)	40
Wash Sump Capacity (gals)	189
Max Footprint Square Footage (cf)	46.40
Max Dimensions	9' 7.0" H x 7' 6.15" W x 6' 3.0" D
Electric	230-460V 3 phase
Load Capacity (lbs)	NA
Max Temp (degrees F)	185
Wash Pump (hp)	5

STANDARD FEATURES

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

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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

CONTROL

- ✓ Large Touch Screen HMI Control Panel
- ✓ Allen Bradley PLC
- ✓ VFD Motor Controls

AUTOMATION & LOAD HANDLING

- ✓ Interface for Robots & Conveyors

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

