

## MicroJet® EC Inline Water Cleaner

### SYSTEM CAPABILITIES:

- 18" Conveyor Belt
- Includes 18" On load (Off load Optional)
- Progressive Energy Dynamic Spray Bars (PED)
- High Speed Cleaning (0.5 to 4.0 FPM)
- Coherent Jet Spray Bars Reach Under Low-Profile Components
- Patented Displacement Drying
- HEPA Dry Air Filtration
- Integrated DI Closed Loop System
- "GREEN" Zero Discharge to Drain (except during maintenance)
- Low Power Consumption
- PLC Controlled Industrial Color HMI
- Integrated Internal LED Lighting
- Immersion Heaters w/ Built In Overload Protection
- Heated Water Wash Up to 150F (66 C)
- De-Foam Metering Pump w/ Foam Detection Sensor (Optional)

### Tool Specifications:

- Footprint: 8'6" x 5' x 5' (259.1 cm x 152.4 cm x 152.4 cm)
- Electrical: 480V, 50/60Hz, 100AMPS, 3 Phase
- Weight: 2000 lb (1814 kg)
- Quiet Operation: <85 db

### Progressive Energy Dynamics (PED) Provides Superior Wash Technology

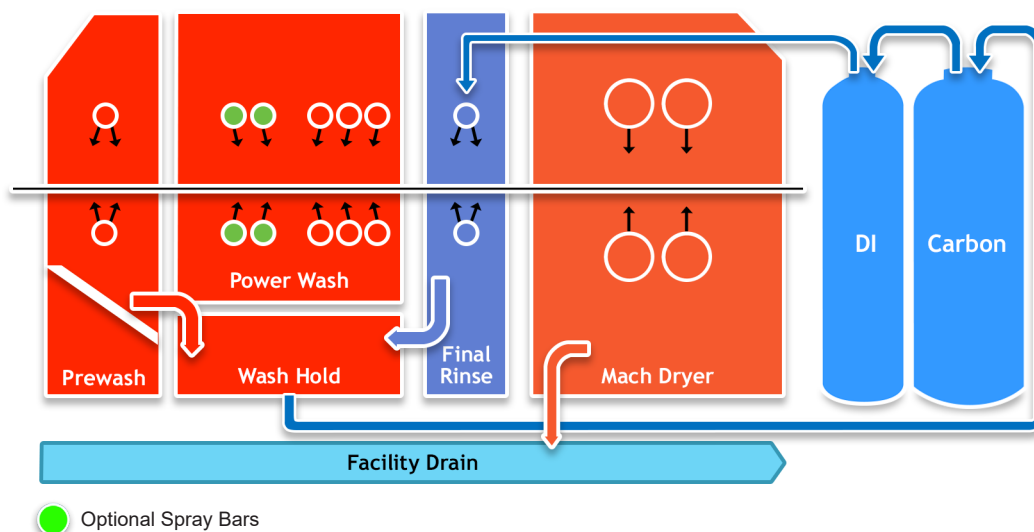
- Progressive Energy Dynamics: Based on our Computational Fluid Dynamics (CFD) modeling we developed a Coherent Jet Wash Spray Technology with PED for our wash section. The concept of PED is to increase the energy from the first spray bar to the last in the entire wash section, starting with a flooding jet and progressing to a High Energy Coherent Jet. This gives you the best and fastest removal of flux possible.
- Coherent Jets are solid streams of fluid that have the highest impingement pressure at the board surface. Once they hit the board, they are omni-directional giving you the best flux removal as well as best under low profile component penetration needed for cleaning to 1ml gaps.

### Superior Rinsing

- We use coherent jets with PED in our power rinse section. There is a final “polishing rinse” before going to our dryer which is metered and alarmed.

### Industry Leading Patented Jet Dryer

- Our patented Jet Manifold drying system removes water from the PCB without using an independent heater, eliminating the tendency to “bake” unwanted ionic contamination on the assembly. The HydroJet® uses a HEPA filter to minimize particulate contaminate of sensitive electronics. We have 2 upper and 2 lower Jet Manifolds that get boards much dryer in a shorter space at higher throughput speeds than any other in-line available.



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