

IDI-MWSR

Manual Wet Station Refurbishment (MWSR)

At IDI we can extend the life of your Manual Wet Station in numerous ways. Process application changes, Tank configurations, controller upgrades, process tank conversions, even heating and flow system improvements provide additional value to your older wet process system. Wafer size and single to dual Teflon cassette process changes are all possible.

Older wet stations can develop leaks and need their plastic shell replaced. Given the high cost of wet stations today, reusing as many of your existing components can produce substantial savings. Our SolidWorks designs ensure the wet station upgrades fit and function as promised, minimizing downtime during installation. The new components are made of the highest purity plastics specific to your process applications needs, ensuring compatibility and long life as well as FM4910 compliance. Engineered to meet Semiconductor Specifications, the wet station upgrades provided by IDI will meet internal EH&S and local codes.

Both Acid and Solvent wet stations retrofits and refurbishments are available through IDI. Solvent stations are retrofitted with 304 or 316 EP Stainless Steel materials as required for process performance and purity. Teflon tanks, Rinse tanks materials of construction will be customized to your chemistry and process performance needs. If manual OEM controllers are obsolete, and you would like more process flexibility than these old controllers provided, we can upgrade the entire system to our IDI control software.

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Our PLC driven controls, combined with our touch screen interface options, provide for maximum reliability and flexibility. The flat panel display with our own GUI (Graphic User Interface) provides the ultimate in simplicity while maximizing the information presented. PLC controls provide up to 128 I/O ports which minimize the use of point to point wiring, thus increasing reliability and minimizing service.

WET STATION REFURBISHMENT

With our software control upgrades communications through Serial, Ethernet or Device Net connections allow for direct interfacing to host equipment. User specified alarms or level status can be communicated to CMS / SCADA systems or other fab wide monitoring systems.

Multi-level password protection allows end users to guard against un-approved changes in recipes and chemistries yet allows ample access for service and PMs.

Standard Refurbishment Services

- Process Configuration Changes:
 - Tank Replacement
 - Tank size / Single to Dual Cassette
 - Wafer size 150 to 200mm
 - Process Application Changes
 - Megasonic Upgrades
 - Process flow systems changes
 - Shell replacement
 - 4910 Compliance Upgrades

Control Upgrades

- JPC or OEM Controller Replacements
- IDI Software Control Integration
- Process flow system improvements
- Static to recirculated tank upgrades
- Bulk fill and in-tank blending upgrades
- Chemical delivery system integration
- Process performance through close loop controls
- Chemical concentration control

Cost Of Ownership Savings

- Reduced water consumption
- Closed loop chemical concentration control
- Accurate in tank chemical blending
- Process yield improvements

Turning Used into Useful with our Engineered Solutions



- Single Module
55" D x 96" W x 77" H

Construction Features

- FM4910 Compliance
- Designed for Ease of Maintenance
- Process compatible materials of construction
- Engineered to work for your varied applications

*The Easy Choice...
For Chemical Management Solutions*

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