



Achiever

Manual Wet Stations, Fume Hoods & Parts Cleaning Benches



Reliable, Maintainable, Safe

MEI's Achiever manual wet stations, laminar flow fume hoods and parts cleaning benches are built to last. Durable, high quality construction and attention to design and detail contribute to usability and longevity. Configurability, up-time, yield, maintainability and throughput are the hallmarks of an MEI wet system, fume hood, or parts cleaning bench.

MEI's Wet Benches, Fume Hoods and Parts Cleaning Benches are:

- **Flexible and Upgradable.**
 - With modular designs, professionally engineered using SolidWorks® and model tested using Cosmos® and FlowWorks® software.
- **Easy-to-Use.**
 - Simple, customizable layout and low cost for start up, lab environments and production.
- **Tailored.**
 - Designed from one of our flexible platforms to your process and fab design via MEI's unique partnership design process.
- **Production Ready.**
 - Quality, ergonomics and safety are designed and built right in.
 - Small footprint, sensible design, quality construction and low cost of ownership.
 - SEMI-S2 compliant options.
- **Designed for Safety.**
 - Proprietary MEI design ensures safety, proper ergonomics, ease of maintenance, and high reliability.
- **Maintenance Friendly.**
 - Thoughtful design provides easy access to all component areas and uses OEM, off-the-shelf components.
- **Reliable.**
 - Field proven reliability.

MEI's Line of Wet Processing Systems

- **Evolution**
In-line, fully-automated, high throughput, wet processing systems
- **Revolution**
Rotary, automated, multiple-step, modular, wet processing systems
- **Advancer (and Advancer Gemini)**
Semi-automated, single-step, modular, wet processing systems
- **Achiever**
Manual wet benches, fume hoods and parts cleaning benches

MEI Products & Services

- Wet Process Systems
- Chemical Delivery & Handling Systems
- IDX Control Automation Software
- Used Semiconductor Systems Reconditioning
- Cleanroom Safety & Ergonomic Equipment
- Field Repair & Service

Achiever Wet Stations & Wet Benches

Small, Reliable, Safe & Cost Effective

MEI manual wet stations are configurable with single or multiple tanks and can also be designed to contain agitation, recirculation, mixing, sprayers, specialty baskets, spinners, hot plates and a wide range of other features and functions. If specified in advance, some of our Achiever systems are upgradable to automation in the future. MEI Wet Benches are used for chemical etching, stripping, parts cleaning, wafer cleaning, polishing and many other applications.

- Configurable single or multi-tank systems
- Designed for easy maintenance, variable processes, and longevity
- Stand alone agitation and sonics options available
- Wide variety of sizes and options up to eight feet: Very small footprint option maximizes fab space for other uses
- Easy plumbing and pneumatics access
- All OEM off-the-shelf components for ease of maintenance and parts availability
- 100–300 mm wafers or custom carriers for medical, masks or other parts
- Low maintenance, easy access design
- Bulkhead configured; separated rear or top exhaust available

Options

- Controls using IDX Automation Software
- Many tank and process bath options
- HEPA or ULPA filters
- Utility sink
- Automatic or manual doors
- Choice of materials, FM4910 (Halar, CPVC, PVDF), polypropylene or stainless steel

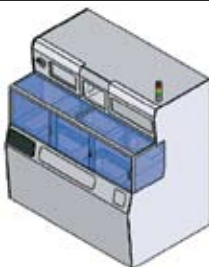


Megasonic Rinse Station

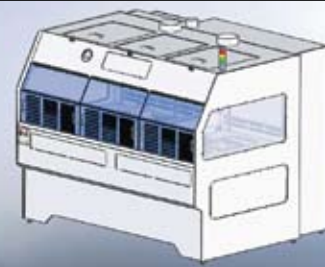
- SEMI S2-0703 third party evaluation audits and FM certified systems
- UL listed electrical components (MEI is a UL certified manufacturer)
- Automatic bulk or bottle chemical system integration
- Graphical User Interface (GUI) single point user interface for operation and maintenance, (replaces individual controllers), offering color touchscreen, with programmable logic controller, expandable I/O, tank timers, programmable dump rinse controls, monitors, alarms and EPO controller
- Single or dual cassettes, side-by-side or back-to-back lots
- Manual low level controls, utilizing standard push button controllers



877-858-3270



Open Front Manual Station



Enclosed Manual Station

Laminar Fume Hoods

Achiever Fume Hoods, Laminar Flow Stations

MEI fume hoods and laminar flow stations are quality built, tailored to customer specifications and are available with many of the same features and options as our Achiever wet benches. Some of the many options available are:

- Sitting or standing heights available for table top or free standing use
- Top or back exhaust connections
- Full front door (three panels) or partial doors (two panels) as well as counter balanced manual opening door design
- Auto open/close sliding doors
- HEPA filtration
- Storage cabinets with leak detectors
- Utility sink
- Goose neck faucet for use with city or DI water can be footswitch actuated
- Static tanks and recirculating tanks
- Process timers with alarms
- 110 VAC convenience outlets
- Power up or down circuit with EPO
- Leveling feet only or add casters
- Auto exhaust damper tied to door open/close position
- Internal lighting
- Customizable deck cover for static tanks, in-tank stirrers or immersion heaters and hot plates



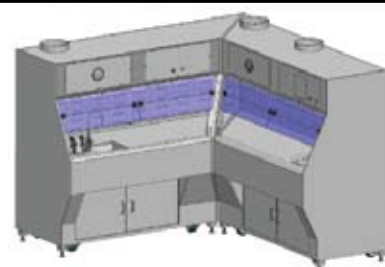
- Drain valves manual turn or air actuated by push button control
- Choice of materials, FM4910 (Halar, CPVC, PVDF), polypropylene or stainless steel
- UL listed electrical components
- Controls using IDX Automation Software



877-858-3270



Loaded Fume Hood



Corner Configuration Saves Space



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wet_processing_systems.asp](http://www.meillc.com/wet_processing_systems.asp)

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Parts Cleaning: Washers & Benches

Top Quality Parts Cleaning Washers, Custom Configured

MEI builds its parts cleaning benches with precision and care. MEI parts cleaning benches are designed and built to cleanroom standards using certified plastic welders, pure bond welding, and ultra pure plumbing processes. MEI's parts cleaning washers are used for cleaning Applied Materials, LAM, Novellus and other manufacturers parts, quartz tubes, quartz bell jars and ancillary parts for diffusion furnaces.

Our parts cleaning washers and benches come in a wide variety of sizes and options, starting with a standard design and then customized based upon the customer's input as to use and footprint limitations

Options

- Single or multi-tank systems
- Stand alone agitation available
- Semi-automated hoist system for large parts



Parts Cleaning Bench

- Agitation, recirculation, mixing, sprayers and specialty baskets
- Proven reliable controls
- Graphical User Interface (GUI) single point user interface for operation and maintenance, (replaces individual controllers), offering color touchscreen, with programmable logic controller, expandable I/O, tank timers, programmable dump rinse controls, monitors, alarms and EPO controller

Clean Room Cabinets

Tailored with Cabinet and Door Options

MEI offers a broad range of custom and standardized cleanroom support equipment such as quartz tube storage cabinets and pass-throughs. All equipment is custom configured to fit the individual requirements of each customer.

Construction materials options include:

- All types of plastic including FM-4910 grades
- Powder coated mild steel
- Anodized aluminum
- Stainless steel



Quartz Tube Storage Cabinet