



DrumChem

Drum Chemical Delivery & Reclaim Systems



DrumChem: Safe, Supported, Self Contained

At MEI our reputation is built upon our commitment to outstanding customer service.

MEI Chemical Handling & Delivery Systems for Wet Processing Systems

- **DrumChem:** Localized drum chemical delivery system for wet process systems. Modular, drum chemical delivery and recapture system, with on-demand controls.
- **FlexChem:** Flexible chemical delivery system for bulk use. Entry cost system with full upgradability to add future bulk chemicals for dynamic environments.
- **MultiChem:** Drum free for smaller systems with localized needs, providing drain free recapture capability. Use of five gallon carboys reduces chemical costs.
- **BottleChem:** Bottle chemical delivery for automated process spiking in smallest possible size at minimal cost for low consumption applications.
- **Chemical Transport Carts and Trucks:** Unique solutions designed for drums or bottles.

Safe, Supported, Self Contained

MEI's DrumChem systems are designed for pumped or pressurized delivery of acids, bases, or solvents. These systems have internal drum hookups, front access, and can be configured for one or two 55-gallon drums.

- **Tailored.** MEI creates systems to fit your chemical process needs and production floor design.
 - Filtration, recirculation, and pump options
 - Remote control interface
 - Pressurized systems with programmable mixture control
- **Production Ready.** Quality, ergonomics and safety are designed and built right in.
 - Easy to navigate, graphical touchscreen control with MEI IDX Automation Software
 - Space efficient in tight workspaces
 - Seamless integration with wet processing systems
- **Designed for Safety and Maintainability.**
 - Conforms to SEMI-S2 standard with dual containment
 - Modular units with right and left profile designs
 - Internal spill and leak detection, exhaust pressure monitoring
 - Local and remote EMO shut down
 - Easy access for maintenance
- **Reliable.** Field proven design and safety measures.
 - Nitrogen purged electronics compartments
- **Supported.** MEI provides award winning service, installation and support.

MEI Products and Services

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



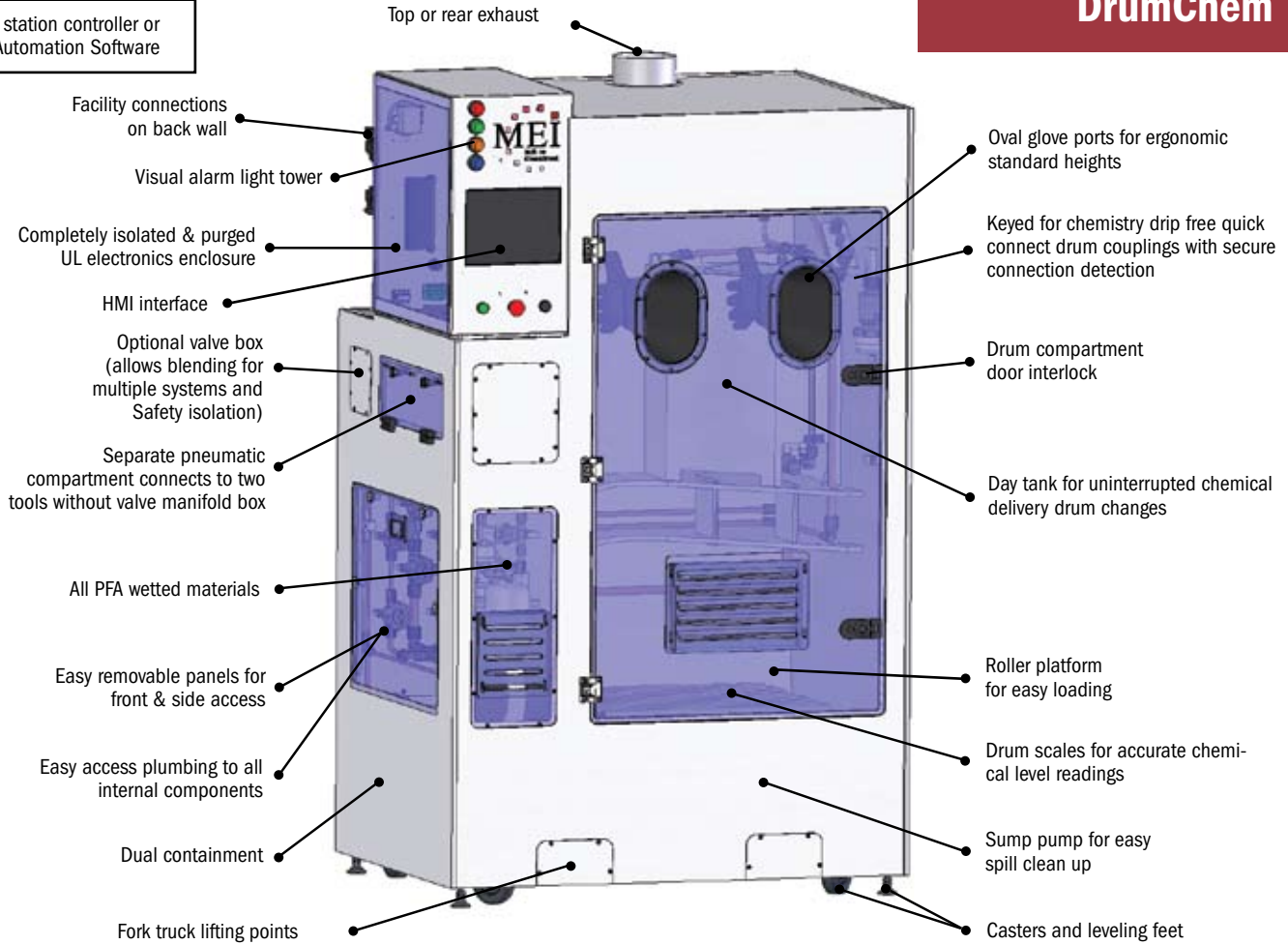
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DrumChem

Uses wet station controller or
MEI IDX Automation Software



Specifications

Control Console

- Standardization of electrical design for UL
- Minimal electrical interconnects
- Simple AC plug 110V operation
- Visual indication of alerts with EMO
- Low maintenance required
- Leak sensor inputs
- Extremely large installations may require the incorporation of an expansion box

Options

- Dual drum with automatic changeover
- Touch screen interface mounted on unit or remote interface for multiple systems
- Optional internal mixing tank with continuous or batch mixing of chemical
- Optional filtered air intake modules on front door panels
- 10-gallon day tank allows continuous use during changeover

Facility requirements

- Waste capture (possible only when positioned next to point of use)
- Capable of multiple outputs
- Can be operated without valve boxes for two delivery points
- Facility connections on back wall
- Dual containment fittings standard for each cabinet
- Optional max delivery pump up to 250 feet—maximum 15 feet head of back pressure

Description

Description	Connection	Requirement
Exhaust	6" ID duct	150 CFM @ 1" static pressure
CDA supply	3/8" Swagelok	80 psi 20 SCFM
N2 supply	3/8" Flaretek	60 psi 4ACFM
Cabinet drain	2" MNPT pipe	Max 2" off floor height
Chemical output	1" over 3/4" Flaretek dual containment	N/A
Acid drain	3/4" over 1/2" Flaretek dual containment	Max 2" off floor height
Main power	3-wire 20 amp	120 vac FLA 15
Communication	All internal or kiosk control by MEI	N/A