



BottleChem

Bottle Chemical Dispense Systems



BottleChem: Efficient Dispense, Spiking

Efficient Blending, Spiking Control

MEI's BottleChem systems provide chemical spiking for critical clean or etch tanks.

- **Efficient.** Bottle delivery eliminates manual pours.
 - Bottles fill variable size reservoirs (with level indicators)
 - Two standard one-gallon bottles with no spill, quick disconnects (additional bottles optional)
 - Enables low cost mixing/blending
- **Consistent, Accurate Spiking.**
 - Enables spiking, improving yields
 - Connects directly to a wet station with MEI IDX Automation Software for delivery controls
 - Controls provide consistently accurate spike volumes
- **Small Footprint Delivery Cabinet.**
 - Sized to fit behind spin rinse dryer
- **Tailored.**
 - MEI creates systems to fit your chemical process needs and production floor design
 - Additional chemicals require a wider cabinet
- **Designed for Safety and Maintainability.**
 - Conforms to SEMI-S2 standard with dual containment
 - Internal spill and leak detection
 - Local EMO shut down
 - Easy access to all internal components
- **Reliable.** Field proven design and safety measures.
 - Nitrogen purged electronics compartments
- **Supported.** MEI provides award winning service, installation and support.

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.

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



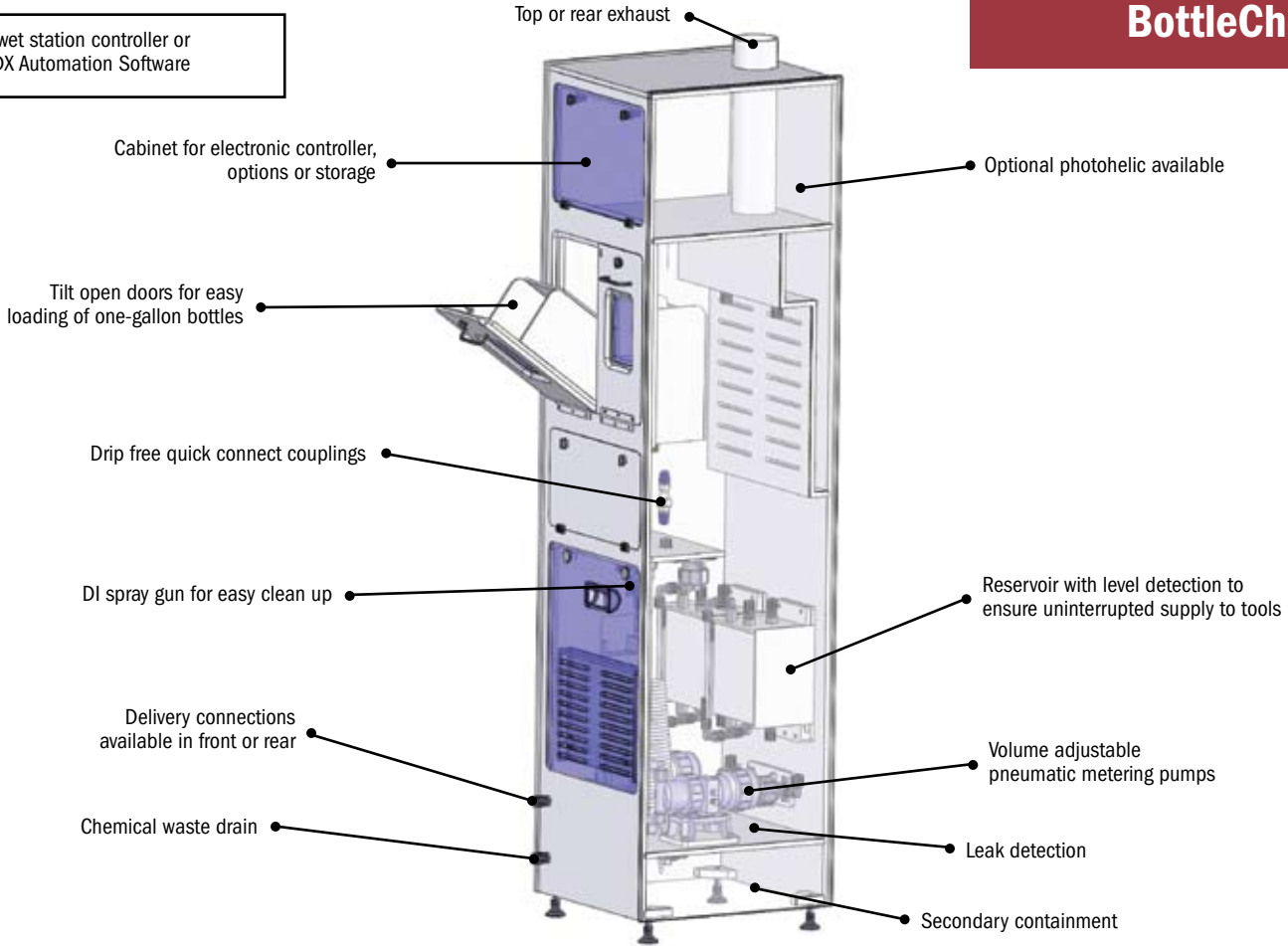
MEI, LLC Corporate Headquarters
3838 Western Way NE
Albany, OR 97321

www.meillc.com/bottlechem.asp

Phone 541-917-3626
Toll free 877-858-3270
Fax 541-917-3623
Sales 541-704-2424
Sales Fax 541-917-0174

Uses wet station controller or MEI IDX Automation Software

BottleChem



Specifications

Control Console

- Standardization of electrical design for UL
- Easy to navigate touchscreen controls
- Minimal electrical interconnects
- Simple AC plug 110V operation
- Visual indication of alerts with EMO
- Low maintenance required
- Leak sensor inputs

Options

- Additional chemicals or bottles with increased cabinet width
- Integrated control capabilities when not used with IDX Automation Software
- Valve manifold box with additional outputs for future expansion to maximize delivery capability

Facility requirements

- Capable of multiple outputs
- Facility connections on back wall
- Dual containment fittings standard for each cabinet
- Optional max delivery pump up to 25 feet

Description	Connection	Requirement
Exhaust	4" ID duct	50 CFM @ 1" static pressure
CDA supply	Shared facilities from MEI wet station internally connected	60 psi 10 SCFM
Cabinet drain	1/2" Flaretek	Max 2" off floor height
Chemical output	1/4" Flaretek PFA line internal	N/A
Acid drain	1/2" Flaretek	Max 2" off floor height
Main power	From MEI wet station 2 Wire 10 Amp	24 VDC switched
Communication	From MEI wet station only	N/A