

# OPTIONS

## Auto-Dispense Option

Cee® has developed four options for automatic dispense of substrate coating materials.

Any of Cee®'s Auto-Dispense options are available on Models 100, 3000, 4000 and 6000 series. Up to 4 dispense systems can be added each system.

Cee® can also interface with most industry dispense pumps and control systems.



### OTHER OPTIONS:

- BSR
- EBR
- Bowl Rinse

### AUTO-DISPENSE OPTION COMPARISON

	<b>Syringe</b>	<b>Cartridge</b>	<b>Pressure Can</b>	<b>Pump</b>
Volume	<30ml or 50ml	<360ml	Different Sizes 1 gallon standard	li/gal.
Drive	Pneumatic	Pneumatic	Pneumatic	Pump
Suckback	Yes	Yes	Yes	Yes
Programmability	Yes	Yes	Yes	Yes
Material Usage	Small	Medium	Med./Large	Med./Large



2401 Brewer Drive • Rolla, Missouri 65401  
(573) 364-0300 • Fax: (573) 364-9513  
[www.brewerscience.com/cee](http://www.brewerscience.com/cee)

## Pump Dispense Option

### MILLIPORE™ PUMP

#### Features:

- Draws resin material directly from bottle. No reservoirs to fill or clean.
- Waferguard® Teflon Pump—Sophisticated pump has no moving parts and incorporates a 16 stack 0.2µm filter.
- Programmable Suckback System—Eliminates dripping from the dispense nozzles.
- Standard pump supports fluid viscosities of up to 400cps and volumes from 0.5-25mL (optional: High Viscosity 400cps-13,000cps).



This dispense option combines the popular Waferguard® pump system with the programmability and ease of use of the Cee® Spin/coater line.

The pump is located in a separate cabinet designed to sit on the floor under the machine or in a

utility chase. The pump cabinet can be exhausted and provides a tilt-base bottle support to allow operation to near the last drop of bottles up to 1-gallon size.

All operation is programmable, including pump suckback and refill parameters. All power to

the dispense cabinet is pneumatic and there is no electricity used in the cabinet, thus eliminating possible safety hazards.

Connections are made to the spinner itself so there are no additional utilities needed.

## Cartridge Dispense Option

#### Features:

- Medium—Up to 360mL can be loaded into a single cartridge. For higher use materials, this reduces the preparation time needed for operation.
- Disposable Reservoir—With the cartridge system, the reservoir itself is disposable. If desired, it can also be cleaned and reused. To provide repeatable control of the dispense process with the larger volume of the cartridge, separate dispense control valves are employed. These components must be

cleaned and/or purged when changing dispense fluids.

- Adjustable Suckback—The sophisticated dispense control valve allows adjustment of the suckback stroke at the end of the dispense cycle.

As with the syringe system, the cartridge dispense assembly is self-contained. The cartridges are mounted on a rack near the spin bowl. A separate assembly of dispense nozzles are attached to the spin bowl exhaust lid.

