

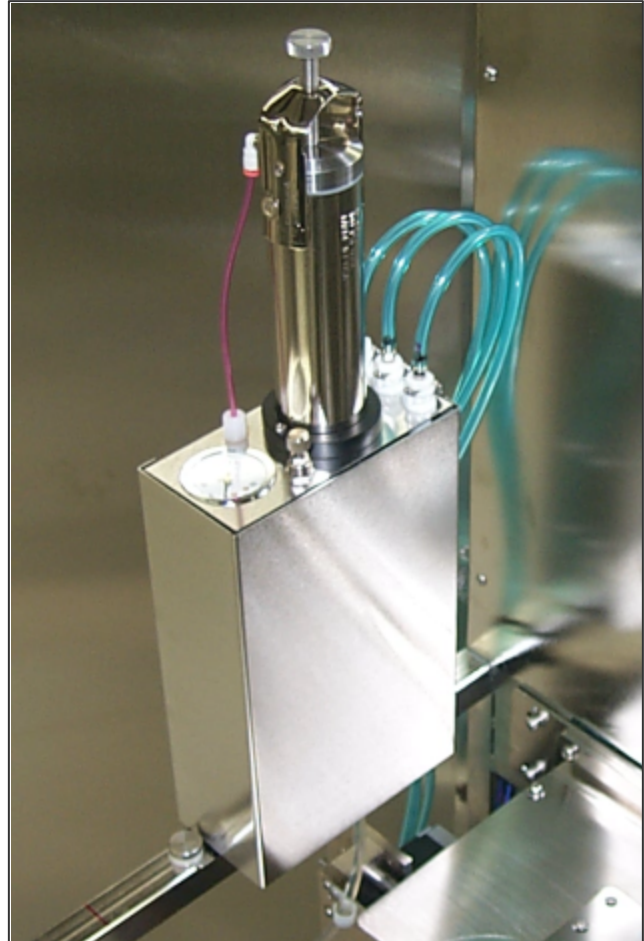
**PRODUCT BULLETIN - #020325**

**CARTRIDGE DISPENSE SYSTEM**

[SITE Services, Inc.](http://www.site.com) continues its commitment to developing innovative and cost-effective products for the semiconductor industry, with the SITE Cartridge Dispense System (CDS).

The CDS capabilities include:

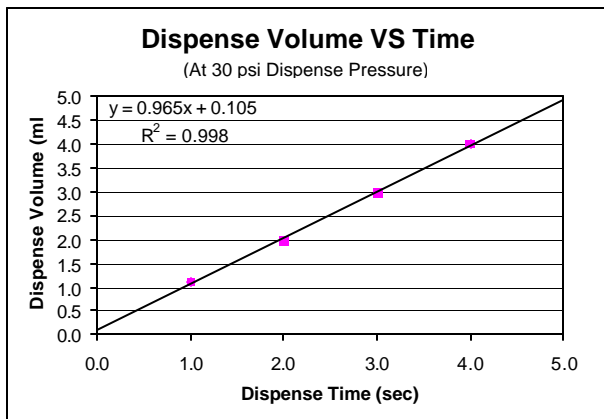
- Dispenses most lithographic chemistries in both low and high viscosity
- Dispense Accuracy  $\pm 0.1$ ml
- 175 ml capacity permits processing a full cassette of wafers without refilling
- Low hold-up volume (5.6 ml with 26 inches of dispense tubing)
- Depressurized between dispenses to prevent N<sub>2</sub> absorption.
- Low cost
- Disposable cartridge liners eliminate cross-contamination
- Direct interface to [Tractrix™ Compact Spin Track](#) and [SpinBall™ Process Station](#)
- Interface available for other track systems



CDS mounted on Tractrix™ Compact Spin Track.

**Performance Data:**

Although actual dispense volume will depend on the viscosity of your chemistry, dispense volume is linear with dispense time.



Dispense repeatability for AZ P4620 (500cs) positive resist for a 2.0 second dispense at various pressures. Dispense volumes were measured gravimetrically.

Dsp. Time = 2.0 sec	Dispense Volume (ml)			
	10 psi	20 psi	30 psi	40 psi
Mean *	0.53	1.41	2.14	3.14
Std. Dev.	0.05	0.03	0.05	0.05
Range	0.10	0.10	0.10	0.10

\* Based on 10 consecutive dispenses.

**Description** Cartridge Dispense System ..... **Part Number** A21-904655

Contact your SITE representative for information on price, installation and options such as Independent Control Unit and mounting bracket for your track system.