

PROCESS PLATFORM:

CENTURY® C-341 SYSTEM

## SELECTIVE CONFORMAL COATING SYSTEM AUTOMATED BATCH BENCHTOP COATING

The Century® C-341 Conformal Coating System is a cost-effective, automated batch system for selectively applying conformal coating materials. Patented technology replaces traditional dip, brush, handgun, and aerosol spray systems.

The C-341 system is equipped with Easy Coat® for Windows XP® (ECXP) software, which is uniquely designed for conformal coating applications, and offers coating flexibility beyond generic motion control and dispensing packages. Within a familiar Windows environment, multiple coating commands can be edited simultaneously, minimizing the time required to make programming and pattern changes. Conformal coating log files are configurable, allowing users to record system events and parameters for process improvement and analysis.

This batch system provides consistent and uniform dispensing of a variety of coating materials. An adjustable fixture to hold PCBs allows for easy board placement and workspace convenience.



### FEATURES:

- ◆ Cost-effective, selective application of conformal coating materials virtually eliminates masking and rework
- ◆ Easy Coat® for Windows XP® software, uniquely designed for conformal coating application, offers flexibility beyond generic motion control/dispensing packages
- ◆ Computer, Celeron PC®, Windows XP®

**Asymtek**  
A NORDSON COMPANY

# **SPECIFICATIONS:**

## **MOTION SYSTEM:**

Type: Brushless DC Stepper Motor  
X-Y Velocity: 508 mm/s (20 in./s) maximum 381 mm/s (15 in./s) default  
Z-Axis Velocity: 203 mm/s (8 in./s)  
X-Y Repeatability:  $\pm 0.025$  mm (0.001 in.), 3 sigma  
Z-Axis Repeatability:  $\pm 0.025$  mm (0.001 in.), 3 sigma  
X-Y Resolution:  $\pm 0.025$  mm (0.001 in.), 3 sigma  
Z-Axis Resolution:  $\pm 0.025$  mm (0.001 in.), 3 sigma  
Positional Accuracy:  $\pm 0.13$  mm (0.005 in.), 3 sigma

## **DISPENSE AREA:**

458 x 458 mm (18 x 18 in.) *Note: Purge and solvent cups reduce coating area*  
PCB Holder Fixture:  
Max: 457x457 mm (18x18 in.). With solvent and purge cups: 406x457 mm (16x18 in.)

## **SOFTWARE:**

User Environment: Easy Coat® for Windows XP®  
Operating System: Windows XP®

## **FLUID DELIVERY METHOD:**

Film Coater module  
Swirl Coat® module

## **OTHER STANDARD FEATURES:**

Door interlock controls  
Purge and solvent cups  
Ventilation controls  
Computer, Celeron PC®, Windows XP®

## **FACILITIES REQUIREMENTS:**

System Footprint: 917 x 1041 mm (36 x 41 in.)  
Air Supply: 620 kPa (90 psi, 6.9 Bar), up to 85 l/min (3 SCFM) maximum depending on configuration  
Ventilation Air: 0.28 m<sup>3</sup>/s @ 25 mm water column (600 SCFM @ 1.0 in. water column)  
Nitrogen Source: Required for moisture-sensitive materials – 410 kPa (60 psi, 4.1 Bar) @ 1 l/min (0.5 SCFM)  
Power (Mains): 100/120/220/240 VAC, 50/60 Hz, 10 A  
Noise: < 70 dBA  
System Weight: 182 kg (400 lb.)  
Standards Compliance: CE

## **OPTIONAL FEATURES:**

Dual applicators  
Manual material changeover system  
Low fluid sensor  
*NOTE: A limited number of options can be combined in one system, based on 8-bit I/O.*

*Please contact us for the name of your local representative.*

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Contact Asymtek for your specific application requirements.

**Asymtek is ISO 9001:2000 Certified**  
**Intel's 2004 and 2003 SCQI award winner**

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