

PRODUCT INFORMATION: SELECT COAT® SL-940E SERIES

SELECT COAT® SL-940E POWERFUL PROCESS CONTROL FOR CONFORMAL COATING

Asymtek's Select Coat® SL-940 Series conformal coating system is designed to provide the highest quality and productivity for automated coating processes.

The SL-940E is a high-speed, high-accuracy coating system with integrated, closed-loop process control that ensures superior coating quality. Process parameters are recorded and traceable through Easy Coat® (ECXP) software running on Windows XP® operating system.

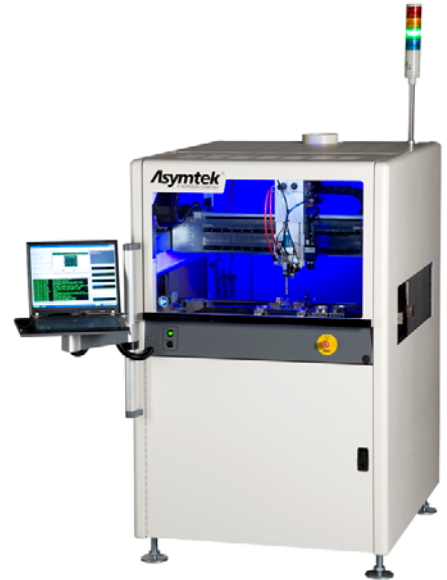
Fluid and air pressure are set and monitored through software-controlled electronic regulators. A complete process history can be maintained in ECXP log files for these critical parameters.

A wide range of process parameters can be monitored for statistical process control, including Asymtek's Laser Fan Width Control, Viscosity Control System, Bar Code System, and Flow Monitoring. The processes are automatically maintained within limits and process status is logged for traceability. This information can be exchanged with customer-specific Factory Information Systems (FIS).

ECXP software, together with an optional vision system, makes teaching your coating program much easier. Pattern recognition software is also available.

Productivity is maximized with ECXP software and machine design. The SL-940E system operates at 1g peak accelerations, is capable of velocities of 1 meter per second, and can accommodate product sizes up to 500 mm.

The SL-940E has been independently tested and certified for compliance with relevant safety standards including CE, NFPA, and SEMI.



FEATURES & BENEFITS:

- High-speed, high-accuracy coating system delivers higher productivity
- Powerful process controls ensure coating quality, such as Fan Width Control that automatically adjusts for viscosity variations during the coating process
- Advanced monitoring allows for traceability
- Programming is made easier with the optional camera
- Optional pattern recognition system permits confirmation of accurate coating pattern positioning
- Downdraft ventilation provides an efficient path for VOC removal
- Designed with stainless steel surfaces, the system is easy to clean and resistant to strong agents
- Integrated electronic controls and software for process parameters

Packaging - Processing

Bid on Equipment

1-847-683-7720

www.bid-on-equipment.com

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SELECT COAT® SL-940E SPECIFICATIONS

MOTION SYSTEM

Type: Closed-loop Servo Motors

X-Y Velocity: 1000 mm/s (39.4 in/s) maximum

X-Y Acceleration: 1g peak with S-curves

Z Axis Velocity: 250 mm/s (10 in./s)

X-Y Repeatability: ±0.025 mm (0.001 in.), 3 sigma

Z-Axis Repeatability: ±0.025 mm (0.001 in.), 3 sigma

X-Y Resolution: 0.010 mm (0.0004 in.), 3 sigma

Z-Axis Resolution: 0.025 mm (0.001 in.), 3 sigma

Positional Accuracy: ±0.075 mm (0.003 in.), 3 sigma

DISPENSE AREA

In-line: 500 x 440 mm (19.7 x 17.3 in.)

With Solvent-Purge station &/or LFWC:

500 x 440 mm (19.7 x 17.3 in.)

With Solvent-Purge station, LFWC and camera:

421 x 440 mm (16.6 x 17.3 in.)

Note: Dual-toggle applicators reduce the total dispense area per individual head. Contact factory for specifics.

CONVEYOR

In-line: Standard chain conveyor with queue stop and pinning set.

Manual width adjustment from 25 to 475 mm (1 to 18.7 in.)

Maximum Clearance: 100 mm (4 in.) above and below PCB

Maximum Pallet/PCB Weight: 5 kg (11 lbs.)

[Optional: 7 kg (15 lbs.)]

COMPUTER

Computer: Laptop computer, Pentium® processor

User Interface: Monitor and keyboard

SOFTWARE

User Environment: Easy Coat® for Windows XP®

Operating System: Windows XP®

FLUID DELIVERY METHODS

- SC-104 or SC-105 Viscosity Control System (Non atomizing, heat circulating system)
- SC-204 or SC-205 Film Coater (Non-atomizing system)
- Swirl Coat® SC-300 Applicator: Three-mode swirl system
- PreciseCoat® SC-400 Jet Applicator: High selectivity application.

FACILITIES REQUIREMENTS

System Footprint: *Also see diagram on next page.*

- 1000 mm width x 1329 mm depth (39.3 x 52.3 in.)
- Computer keyboard and monitor occupy additional 527 mm (20.7 in.) in the front
- Lower door requires 855 mm (33.7 in.) opening space in the front
- 1000 mm clearance in the rear is recommended

Air Supply: 620 kPa (90 psi, 6.2 Bar), up to 0.34 m³/min (12 SCFM) max. depending on configuration

Ventilation Air: 17 m³/min @ 25.4 mm water column (600 SCFM @ 1.0 in. water column)

Nitrogen Source: 410 kPa (60 psi, 4.1 Bar) @ 0.014 m³/min (0.5 SCFM); required for moisture-sensitive materials

Main Power: 200/240 VAC 50/60 Hz, 10A

Noise: Peak ≤ 76.0 dBA ; Avg ≤ 70.7 dBA

System Weight: 426 Kg (940 lb) max.

Standard Compliance: SMEMA, CE, NFPA, and SEMI standards

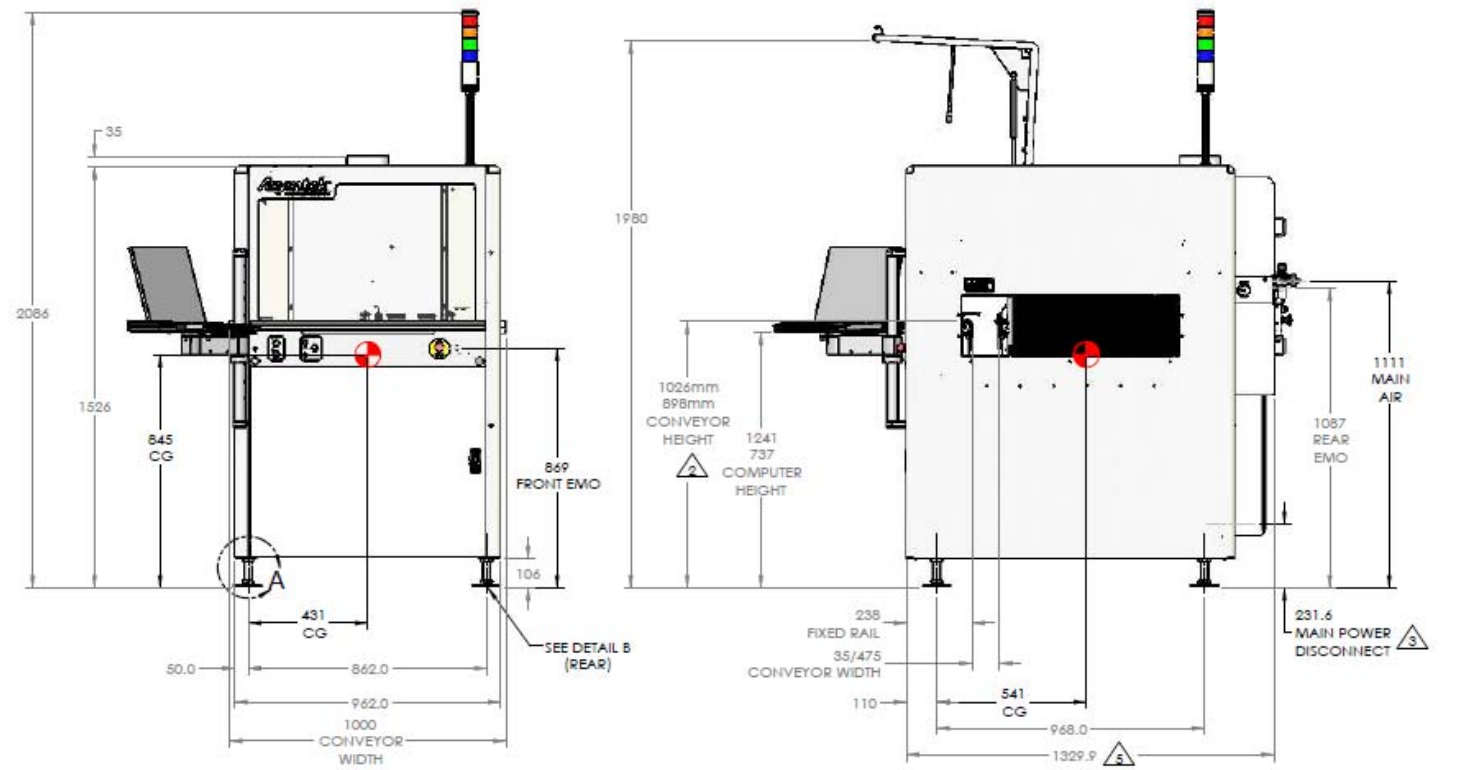
STANDARD FEATURES

- Applicator fluid and air pressures are software-controlled
- Solvent-Purge station with cups
- Door interlock controls
- Light beacon
- Downdraft ventilation with redundant safety vent switch
- Stainless steel interior
- Front access hatch with glass
- Computer arm adjustable in height and right/left orientation

OPTIONAL FEATURES

- Bar code recognition system, 1D or 2D
- Black light
- Board presence sensor
- Dual simultaneous applicator capability
- Dual toggle applicator capability
- Flow meter
- Laser Fan Width Control (for SC-104/5-204/5)
- Laser pointer programming tool
- Fiducial find camera
- Solvent cup with fluid level sensor
- Low fluid sensor
- Low fluid scale
- Material change over (manual)
- Pre-queue board station
- Programming camera
- 4-Position Tilt (for SC-300)
- Tilt and rotate for SC-104/204
- Factory Information System (FIS): contact your sales representative.

SPECIFICATIONS



Please contact these locations for the name of your local representative:

HEADQUARTERS
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 Carlsbad, CA 92010-6603 USA
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Asymtek reserves the right to make design changes to products to improve their function. These changes may occur between publishing. Contact Asymtek for your specific application requirements.

Asymtek is ISO 9001:2000 Certified

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