

Robotic Coating System Specifications

General Specifications

- Self-contained X-Y-Z axis robotic system capable of uniformly coating 12"x12" substrates
- System shall be fully capable of coating substrates using polymer solutions having viscosities of 500-1000 cP.
- Pressurized coating pot
- Position accuracy should be within ± 0.1 mm
- System shall include a precision metering system with integrated stirring
- System shall include a heated substrate plate
- Safety interlocks to prevent operation when doors are open
- Exhaust interlocks to prevent operation without adequate exhaust flow
- System shall be able to fit through a 34" doorway
- Bench top systems shall include a metal table appropriately sized for the unit which also must fit through at 34" doorway

Computer and Software

- Software shall be compatible with Windows 7

Utilities

- System shall be compatible with 110-208VAC, 60 Hz power. Vendor to clearly specify power requirements.
- All gas (compressed air, nitrogen) and exhaust requirements shall be clearly stated by vendor.

Setup and Training

- Vendor to supply a turnkey system including all fixtures, hoses, tubing, cables, plugs and manuals
- Vendor to supply training on the system