

UMF Equipment - Parylene Deposition System

SCS Labcoter PDS2010E

The SCS Labcoter PDS2010E is a compact coating unit designed specifically to vapor deposit of Parylene conformal coating onto a variety of substrates. Solid granular raw parylene material is heated under vacuum and vaporized into a dimeric gas and then pyrolyzed to its monomeric form and deposits on all surface as a thin and transparent polymer film. The clear polymer coating formed provides an extremely effective chemical and moisture barrier with high dielectric and mechanical strength. The parylene coating can penetrate crevices and tight areas on multi-layer components, providing complete and uniform encapsulation. Application areas include circuit boards, sensors, wafers, medical devices and elastomeric components for research development.

Features:

- 12" 22L chamber capacity
- Low-noise, direct drive vacuum pumps
- Manual-fill LN2 cold trap
- Up to 125 g dimer capacity
- Continuous process monitoring
- Fixture rotation

Please refer to supplier information page for further details of the system:

<https://scscoatings.com/equipment/product-lines/parylene-coating-equipment/labcoter/>

For inquiry, please contact Dr. Hardy Lui (Tel: 2766 7791; Email: hardy.lui@polyu.edu.hk).

