

DIE POSITIONER STATIONS

To achieve uniform and accurate coatings on your substrate, a precision slot die must be mounted into a precision die coating station. Precision Die Systems Corporation designs and builds die coating stations that will exceed your expectations. The same quality that we put into our precision slot coating dies goes into our die coating stations. Some of our features include:

- Designed and modeled using SolidWorks 3D modeling software
- Heavy duty stainless steel construction
- Supported or un-supported “tension web” web configurations
- Chrome plated coating roll to have precision bearings ground with roll within 0.0001” max T.I.R. and dynamically balanced at 500 feet per min
 - Surface finish 2-4 Ra
- 4” of Horizontal movement via precision linear bearings and rails using pneumatic air cylinders
- Three axes of die adjustment available – On/Off coat, On/Off Splice Jump, “Skew” adjustment via precision slides with zero-backlash ball screws
- Unmatched repeatability within 2.5 microns [.00010”] or better.
- User friendly
- Can be designed to fit into your existing coating line or we can work with the company that is fabricating your new coating line to make sure everything works flawlessly at startup
- A Vacuum Box can be integrated into your die station to help control the coating bead
 - Single Chamber
 - Stainless Steel Construction
 - Teflon End Seals
 - Precision ground Teflon roll seal for uniform gap

