Benefits

- **Improve environmental durability** with the unmatched flatness and uniform slot gap of a custom designed Premier slot die and positioner
- **Eliminate multi-pass processes** by coating multiple colors in one pass with multi-layer slot die manifold technology
- **Increase production rates** with pre-metered slot die and positive displacement pump technology, allowing for precise fluid application with higher solids content
- **Shorten time required for product changeovers** with a slot die designed for a larger process window, allowing for use of a higher variety of fluids at multiple widths and coat weights
- **Improve end product yields** with a manifold designed to uniformly distribute the coating fluid, based on the fluid’s rheology
- **Ease of Use** design requires minimal operator adjustment to obtain repeatable results

Nordson offers converters slot die coating systems that deliver a precise, uniform flow to the web at a constant rate.

Premier Fixed Lip Slot Dies are custom designed for a wide range of fluids, including solvent and water-based coating, paint, and many more.

At our dedicated facility, experienced technicians use state-of-the-art equipment to custom design and manufacture slot die equipment. The result is uniform coat weight distribution and coating thickness.

No matter what your coating needs are – from laboratory devices to production systems for moisture barrier, painted panel, and glass applications – custom-designed Premier slot coating equipment will increase your production efficiency and provide significant cost savings.

The Nordson Solution

- **Premier Fixed Lip Slot Die**
  - Coat Weight Uniformity: ± 1-2%
  - Adjustable gap and coating width with precision shims
  - Body lip offset for optional shear at substrate interface
- **Premier Die Positioner**
  - Position Repeatability: ± 1.25µ
  - Backing Roll TIR: 2.54µ
  - Easily integrated into new or existing production lines
- **Premier Fluid Delivery System**
  - Delivers consistent, non-pulsing fluid for uniform coatings
  - Sanitary connections have no threads to collect residue
  - In-line T-valves offer an easy way to flush system clean
- **Vacuum Chamber and Regenerative Blower**
  - Increases the process window, delivering best results under various conditions