Benefits

- **Extend the lifetime of production equipment by eliminating corrosion due to the use of strong acids and base materials** with a slot die manufactured from various material grades (15-5 pH or 316 stainless steel, Hastelloy) to meet customer-specified process requirements.

- **Improve coating fluid yields** with a pre-metered slot die system that applies all of the coating fluid to the substrate via a positive displacement pump and slot die.

- **Achieve coating property consistency** with a closed slot coating system, designed to reduce contamination and emission of volatiles while maintaining consistent fluid properties throughout the entire production run.

- **Boost end product yields** with a uniform coat weight produced by the slot die’s manifold geometry, which is designed to uniformly distribute the fluid based on its rheology.

- **Increase production rates** with a slot coating system, allowing for better control of the cross-web uniformity and capability to increase the percentage of solids, thus reducing drying time.

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 UV curable, adhesives, 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 filtration, adhesives, solar, glass coating and more – 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

Ensure superior performance when you partner with the field’s leader in precision slot die equipment and specialists with extensive industry experience.