Benefits

- **Improve electrical properties** with a manifold designed to uniformly distribute the coating fluid, based on the fluid’s rheology.
- **Increase production rates** with pre-metered slot die and positive displacement pump technology, allowing for precise fluid application with higher solids content.
- **Improve winding uniformity to produce larger rolls** with the unmatched performance, reliability, and repeatability of a custom designed Premier slot die and positioner.
- **Shorten time required for product changeovers and clean-up** 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.
- **Ease of Use** design requires minimal operator adjustment to obtain repeatable results.
- **Reduce contamination and emission of volatiles** with closed loop system.

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

Ultracoat Flexible Lip Slot Dies are custom designed for a wide range of fluids, including solvent and water-based coating, 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 optical display applications – custom-designed Ultracoat slot coating equipment will increase your production efficiency and provide significant cost savings.

The Nordson Solution

- **Ultracoat Flexible Lip Slot Die**
  - Coat Weight Uniformity: ± 1.75-3.50%
  - Customized manifold design for specific fluid properties
  - Lip design customized for application
  - Designed to fit customer’s positioning system
  - Proven Autoflex automatic profile control available as option

- **Ultracoat Die Positioner**
  - Position Repeatability: ± 2.00µ
  - Standard Angle of Attack: ±5°
  - Easily integrated into new or existing production lines

- **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