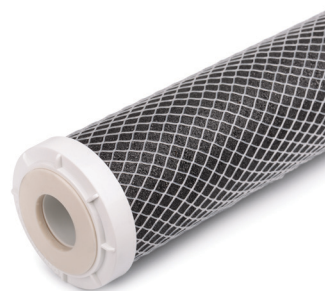


# Solutions for Water & Membrane Filtration Applications

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

## 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:  $\pm 1-2\%$
  - Adjustable gap and coating width with precision shims
  - Body lip offset for optional shear at substrate interface
- **Premier Die Positioner**
  - Position Repeatability:  $\pm 1.25\mu$
  - Backing Roll TIR:  $2.54\mu$
  - 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