

Solutions for Medical Applications

Premier™ Slot Coating Equipment for the Production of Medical Supplies

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

Benefits

- **Improve dosing accuracy** with a metered Premier slot die technology solution, offering unmatched flatness and uniform slot gap
- **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
- **Eliminate sources of fluid loss** ensuring maximum use of highly valuable materials
- **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, 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 medical 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: $\pm 1-2\%$
 - 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: 2.54μ
 - 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