

Solutions for Optical Display Applications

Ultracoat™ Slot Coating Equipment for Screen Panels

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

Benefits

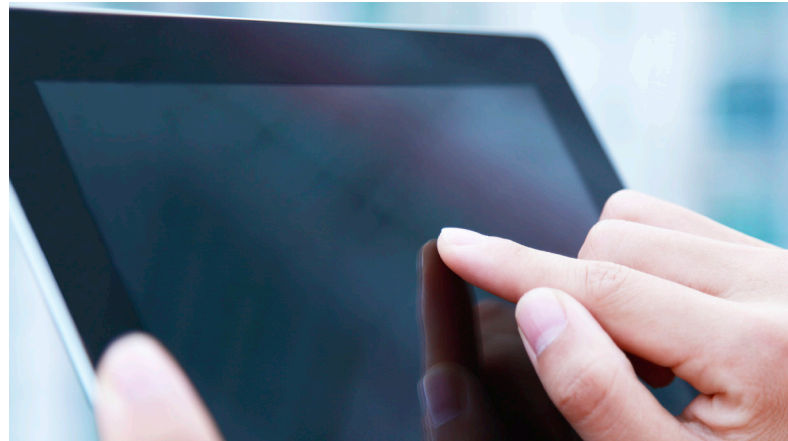
- **Enhance film clarity** with the unmatched performance, reliability, and repeatability of a custom designed Ultracoat slot die and positioner
- **Improve end product yields** with a manifold designed to uniformly distribute the coating fluid, based on the fluid's rheology
- **Increase production rates** with pre-metered slot die and positive displacement pump technology, allowing for precise fluid application with higher solids content
- **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: $\pm 2.00\mu$
 - Standard Angle of Attack: $\pm 5^\circ$
 - 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

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