



The FOM nanoRC is the ideal entry point to begin scalable coating of functional thin films and devices. The FOM nanoRC has been designed to mimic the complex coating processes achieved on large-scale roll-to-roll machines while requiring a fraction of the cost and physical footprint. By leveraging years of experience in materials research and slot-die coating, the FOM nanoRC provides users with a simple route for precise, reproducible, and scalable thin-film production from any solution or slurry-based precursor.

BASE SPECIFICATIONS

- Coating width: up to 100 mm (slot-die compatibility: S – L)
- Coating length: up to 500 mm
- Coating speed range: up to 2.0 m min⁻¹
- Substrate heating: up to 160 °C
- External syringe pump
- Integrated touch panel control
- Dimensions : 230 x 530 x 350 mm (D x W x H)
- Weight: 19 kg

OPTIONS

- High viscosity pump
- High viscosity slot-die head & tubing.
- Syringe heating up to 80 °C

KEY FEATURES

- Entry-level price point
- Plug and play installation
- Intuitive touch panel interface
- Turnkey glovebox compatibility
- Compact size for easy moving and relocation.
- Continuous, non-contact thin-film coating process
- Compatible with flexible substrates
- Direct wet film thickness control
- Excellent layer definition, uniformity, and reproducibility
- Uniform dry film thickness from nano to micrometers
- Low material waste compared to blade & spin coating
- Simple scaling from lab to R2R production

Custom constructions available upon request.

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