



The FOM vectorSC has been designed from the ground up to allow for easy control over coating on both rigid and flexible substrates. By integrating industry-grade components and user-friendly recipe features, the FOM vectorSC provides a seamless, accelerated user workflow and excellent control for coating a wide variety of active materials. It is an ideal solution for users aiming to bridge the gap between fundamental research and pilot-scale production, with an emphasis on versatility and compatibility for a wide variety of substrates and coatings.

BASE SPECIFICATIONS

- Coating width: up to 200 mm (slot-die compatibility: S – XL)
- Coating length: up to 300 mm
- Coating speed range: up to 5.0 m min⁻¹
- Substrate heating: up to 200 °C
- Microporous vacuum chuck
- Integrated syringe pump
- Remote control with coating automation software on any external device
- Cloud-compatible protocol saving
- Remote support & troubleshooting
- Dimensions : 870 x 630 x 505 mm (D x W x H)
- Weight: 71 kg

OPTIONS

- Slot-die head heating: up to 80 °C
- Syringe heating up to 80 °C
- Nitrogen/air knife module
- Ionizing bar
- IR system
- High viscosity kit

KEY FEATURES

- Compatible with rigid and flexible substrates.
- Proprietary design for excellent substrate flatness and fixation.
- Excellent for lab-scale demonstration of R2R/S2S coating.
- Seamless glovebox integration option through direct partnership with Mbraun.
- Automated coating *via* intuitive software interface and enabled remote access.
- Software integrated direct wet film thickness control.
- Continuous, non-contact thin-film coating process.
- Uniform dry film thickness from nanometers to microns.
- Excellent layer definition, uniformity, and repeatability.
- Compatible with fluids up to 20,000 cP.
- Simple scaling from lab to R2R production.
- Low material waste compared to blade & spin coating.

CONTACT DETAILS

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Custom constructions are available upon request.