

FOM vectorSC 狭缝涂布机是适用于薄膜研究和生产的多功能综合性平台，可兼容柔性和刚性基板涂布工艺。集工业级组件和友好的配方功能于一身，FOM vectorSC 在保证连续，迅捷的工作流程的同时，保证针对众多类型活性材料的高质量涂布控制。

FOM vectorSC适用于门类众多的基片材质和溶液体系，是桥接基础研发和中试生产的理想工具。

基本参数：

- 涂布宽度：最大可达200mm（涂布刀头尺寸可兼容包含S-XL范围内的多种尺寸）
- 涂布长度：最大可达300mm
- 涂布速度范围：最大可达5.0m/min
- 基片加热：最高可达200 C
- 微孔真空吸盘
- 集成注液泵
- 自动化涂布程序，无线控制
- 云端存储协议
- 远程技术支持和故障排除
- 外形尺寸：870 x 630 x 505 mm (D x W x H)
- 重量：71Kg

可选功能：

- 涂布刀头加热：最高可达80 C
- 注液泵可加热：最高可达80 C
- 氮气/空气风刀
- 静电消除器
- 红外加热系统
- 高粘度组件

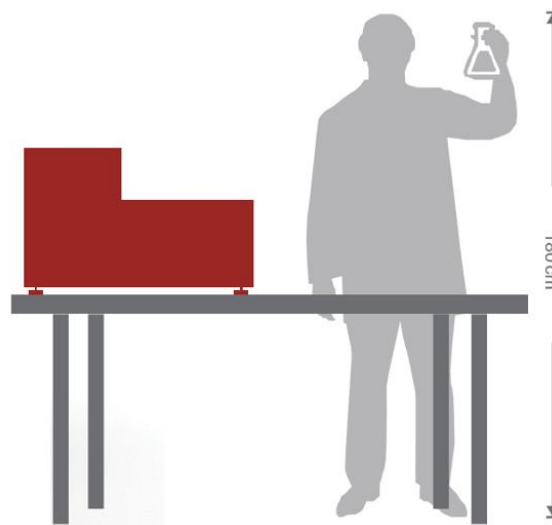
关键参数：

- 可兼容刚性和柔性基片
- 优越的基片平整度和基片固定方式
- 实验室级的R2R/S2S涂布
- 可与手套箱无缝对接
- 直观便捷的计算机操作界面和自动涂布程序
- 直接的湿膜膜厚控制
- 连续、无接触的薄膜涂布工艺
- 纳米至微米级均匀干膜制备
- 优越的膜厚控制，膜层均匀性和可重复性
- 适用溶液粘度最大可达20,000 cP
- 可便利的从实验室级别升级到R2R量产
- 高材料利用率

联系方式：

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可根据用户需求定制



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.