

FOM scalarSC是多功能薄膜和器件制备和研发的理想起点，可兼容柔性和刚性基板涂布工艺，且投入成本低，占用体积小。经多年材料研发和涂布工艺开发，FOM scalarSC为用户提供了通往高质量薄膜涂布的捷径；不论是溶液体系还是浆料体系，均可实现精确、可重复、可规模化的高精度涂布。

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℃
- 独立注射泵
- 控制单元
- 先进的自动化软件程序
- 云端存储协议
- 远程支持和故障排查
- 外形尺寸：830 x 430 x 460 mm (L x W x H)
- 重量：100 kg

可选功能：

- 氮气/空气风刀
- 高粘度组件
- 离子泵

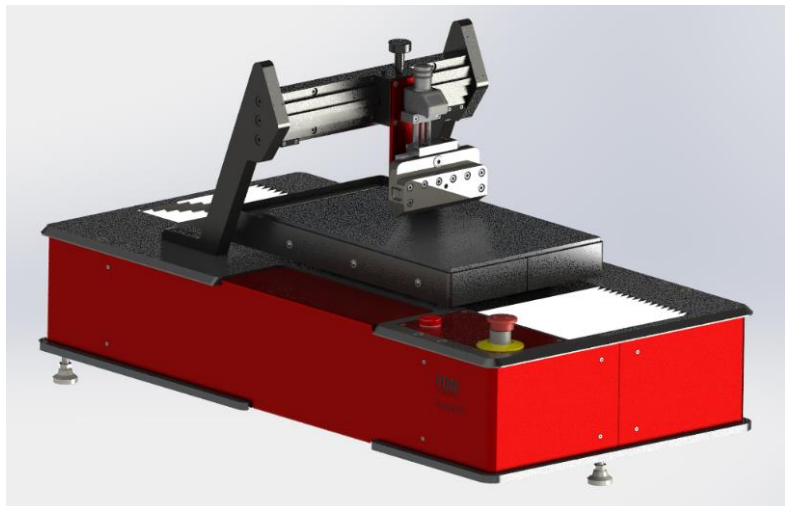
关键参数：

- 可兼容刚性和柔性基片
- 实验室级的R2R/S2S涂布
- 可与手套箱集成
- 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
- 优越的膜层清晰度、均匀性和可重复性
- 适用溶液粘度最大可达20,000 cP
- 密闭式输送装置有效保护涂布溶液
- 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 scalarSC is the ideal entry point to begin scalable coating of functional thin films and devices. The FOM scalarSC has been designed to allow easy control over coating on both rigid and flexible substrates, while requiring a fraction of the cost and physical footprint. By leveraging years of experience in materials research and slot-die coating, the FOM scalarSC provides users with a simple route to precise, repeatable, and scalable thin film production from any solution or slurry-based precursor.

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
- Stand-alone syringe pump
- Control unit
- Coating automation software
- Cloud-compatible protocol saving
- Remote support & troubleshooting
- Dimensions : 830 x 430 x 460 mm (L x W x H)
- Weight: 100 kg

OPTIONS

- Nitrogen/air knife module
- High viscosity kit
- Ionizing bar

KEY FEATURES

- Compatible with rigid and flexible substrates
- Lab-scale demonstration of R2R/S2S coating
- Turnkey glovebox compatibility
- Automated coating via intuitive interface
- 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
- Protects coating fluid via closed delivery system
- Simple scaling from lab to R2R production
- High material efficiency compared to blade & spin coating

CONTACT DETAILS

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Custom constructions available upon request.