

FOM alphaSC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。该型号狭缝涂布机的软件功能，硬件组件和附加功能均经过专门的优化设计以排除实验误差，提高设备适用性和可靠性。FOM alphaSC狭缝涂布机为实验室级别的材料和涂布工艺研究提供了优越的性能并可兼容适用于多种用途。

#### 基本参数:

- 涂布宽度: 最大可达300mm (涂布刀头尺寸可兼容包含S-XXL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
- 涂布刀头加热: 最高可达80 C
- 微孔真空吸盘
- 集成注射泵
- 控制单元: 笔记本电脑
- 先进的自动化软件程序
- 云端存储协议
- 用户/管理员账户设定
- 远程故障排除
- 外形尺寸: 1100 x 800 x 750 mm (L x W x H)
- 重量 250 kg

#### 可选功能:

- 全自动涂布刀头高度定位
- 热气流+红外加热模式
- 氮气 / 空气风刀
- 柔性 / 微型凹版涂布
- 定制基片定位垫片

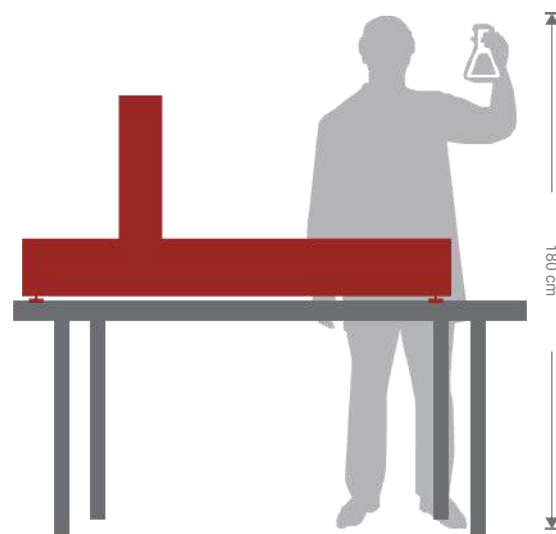
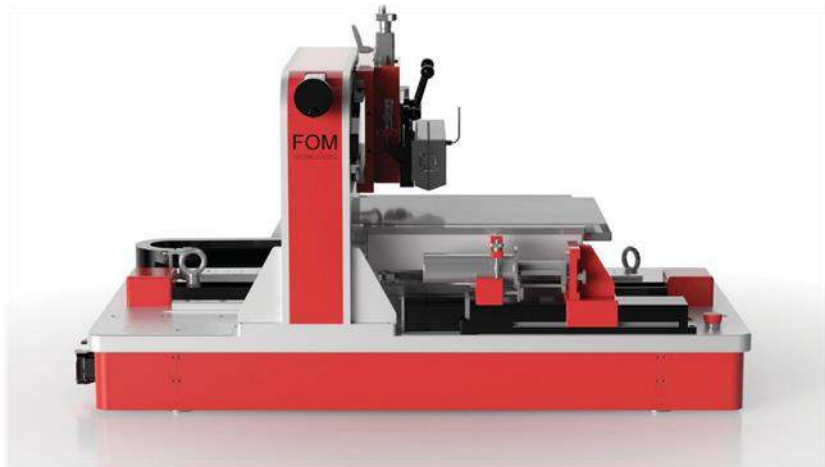
#### 关键参数:

- 无与伦比的涂布精度
- 先进的加热和涂布头定位功能
- 可与手套箱集成
- 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
- 兼容柔性和刚性基片
- 优越的基片平整度和先进的基片固定方式
- 直观便捷的计算机操作界面和自动涂布程序

#### 联系方式:

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可根据用户需求定制



The FOM alphaSC represents the ultimate combination of control, functionality, and versatility in thin film research and production. All elements of its hardware, software and premium features have been tailored to eliminate experimental error and increase usability with both flexible and rigid substrates. The FOM alphaSC delivers an uncompromising package, providing users with unmatched versatility and control of their lab-scale materials and coating processes.

## BASE SPECIFICATIONS

- Coating width: up to 300 mm (slot-die compatibility: S – XXL)
- Coating length: up to 300 mm
- Coating speed range: up to 5.0 m min<sup>-1</sup>
- Substrate heating: up to 200 °C
- Slot-die head heating: up to 80 °C
- Microporous vacuum chuck
- Integrated syringe pump
- Laptop control unit
- Advanced coating automation software
- Cloud-compatible protocol saving
- User/admin accounts
- Remote troubleshooting
- Dimensions: 1100 x 800 x 750 mm (L x W x H)
- Weight: 250 kg

## OPTIONS

- Fully motorized slot-die height positioning
- Hot air + IR oven module
- Nitrogen/air knife module
- Flexo/microgravure module
- Custom substrate alignment shims

## KEY FEATURES

- Unmatched coating precision
- Advanced heating and slot die positioning functions
- Turnkey glovebox compatibility
- 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
- Compatible with rigid and flexible substrates
- Excellent substrate flatness and fixation
- Automated coating via intuitive laptop interface

## CONTACT DETAILS

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*Custom constructions available upon request.*