





KEY FEATURES

- Non-contact coating within µm precision
- Uniform dry film thickness from nm to µm
- Coating width from 1 mm to 200 mm
- Designed for fluids up to 20,000 cPs
- Excellent Substrate flatness design
- Semi-automated coating via intuitive touch panel
- Designed for rigid and flexible substrates

- Built-in hotplate for drying
- Excellent layer uniformity and repeatability
- Seamless fume hood and glove box integration
- Plug-and-play installation
- Semi-automated coating via intuitive touch
- Integrated stand-alone syringe pump



Technical specifications

MACHINE

- Model: FOM scalarSC
- Dimensions: 870 x 485 x 470 mm (L x W x H)
- Weight: 50 kg
- Substrate holder dimensions: 255 mm x 355 mm
- Substrate holder heating: Up to 200 °C
- External syringe reversible pump from 1 ml to 300 ml
- Intuitive HMI touch panel interface

COATING

- Coating width: 1 mm to 200 mm
- Coating length: Up to 300 mm
- Coating speed: 0.05 up to 2.0 m min⁻¹
- Slot-die compatibility: FOM SD 25 FOM SD 200

MACHINE UTILITIES

Electrical Power supply

- Voltage: Single phase 230V or 110V
- Voltage frequency: 50 & 60 (Hz)
- Maximum Current: 16 (A)
- Power connection: ICE connector

Machine connection

- Remote Access: Via IXON switch (not provided by FOM)
- Local Connection: PC connection via Ethernet cable with RJ45 connector

CERTIFICATIONS & STANDARDS

- Machine Standard: EN 60204-1 and ISO 13849-1 (CE)
- Compliant with Quality Directive 2006/42/EC Annex II B

OPTIONS

Equipment:

- FOM Ionizing system (Anti-static)
- FOM Flexographic system
- FOM Blade coating system
- Slot-die heating
- Microporous vacuum chuck

Additional drying:

- FOM Air knife system
- FOM IR drying system

Enclosure:

- **FOM Enclosure**
- **FOM Glovebox**

Pumps, syringes, and consumables:

- Syringe pump Standard viscosity
- Syringe pump High viscosity
- Stainless steel syringe
- Glass syringe
- PPTT syringe
- Syringe heating up to 80 °C
- Slot-die shims and guides for adjusting coating width and pattern

