

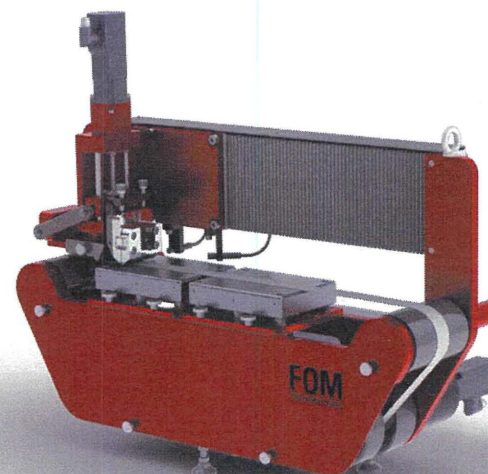
FOM photonR2R

New !

Autonomous, versatile, and cost-efficient in-situ material characterization for Synchrotrons

The FOM photonR2R epitomizes the compactness, control, functionality, and versatility of slot-die coating machinery in thin-film research. Designed for placement within synchrotrons, it facilitates high-throughput and in situ studies at various synchrotron beamlines. Its compact size makes it suitable for fume hood use before synchrotron experiments, and it can easily move around.

All components, software, and premium features are optimized for remote control, allowing you to optimize data collection. Offering unparalleled versatility, precision, and process reproducibility, the FOM photonR2R is ideal for a wide range of scale materials and coating processes relevant to both industry and academia.



FOM
TECHNOLOGIES

Base specifications

- Dimensions: 650 x 160 x 550 mm (L x W x H)
- Weight: 22 kg
- Standard substrate holder dimensions: 150 mm
- Substrate holder heating: Up to 200 °C
- Microporous vacuum dimensions: 75 mm x 100 mm
- Integrated syringe pump from 1 ml to 300 ml
- Integrated PLC control system
- Fully motorized x-z positioning 1 µm precision
- Coating width: 1 mm to 50 mm
- Coating length: Up to 15000 mm
- Coating speed: 0.01 up to 5.0 m min⁻¹
- Slot-die head heating: Up to 80 °C
- Slot-die compatibility: FOM SD 25 – FOM SD 50