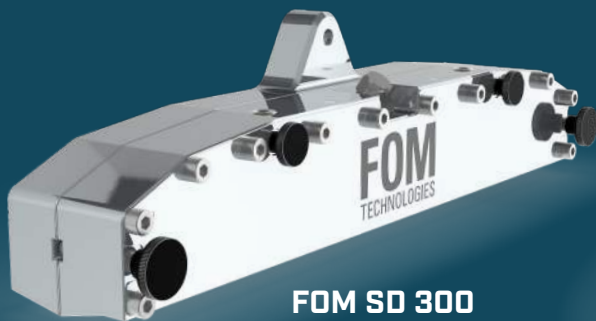
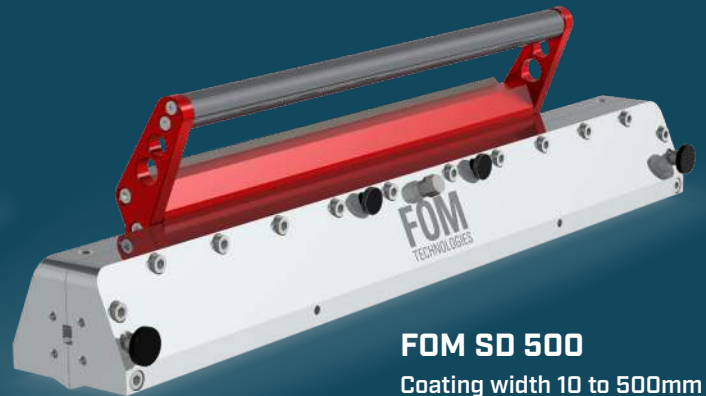


# FOM SD 300 and SD 500

FOM Technologies Slot-die heads are designed to deliver outstanding flow properties and ease of assembly within FOM coating machines. Engineered for a diverse range of film applications, FOM slot-die heads offer an array of sizes, mass flow ratings, shim thicknesses, and stripe patterning options, providing an accessible, user-friendly platform for high-quality coatings. With a commitment to innovation, FOM slot-die heads feature a meticulously crafted lightweight design, ensuring exceptional functionality and ease of handling and installation in various industrial settings.



**FOM SD 300**  
Coating width 10 to 300mm



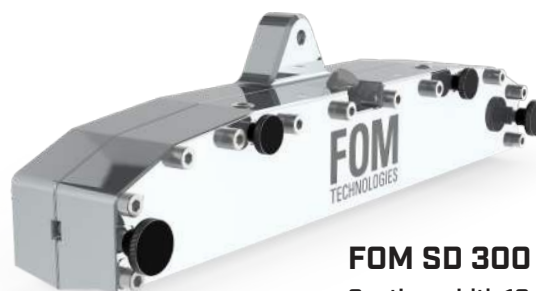
**FOM SD 500**  
Coating width 10 to 500mm

## KEY FEATURES

- Engineered for effortless disassembly, assembly and cleaning
- Custom shim and meniscus guide designs
- Lip protection on slot die supports self-standing feature, aiding manufacturing processes
- Adaptable design with or without a meniscus guide for versatile coating applications
- Facilitates precise FOM alignment design for reliable shim and meniscus guide positioning
- Includes light weight, high quality protective flight case for shipping and storage
- Integrated pressure gauge enhances functionality
- Allows for double-sided coating applications on the FOM moduloR2R
- Cost effective large area coatings
- Built with innovative lightweight materials, allowing for easy handling and maneuvering without compromising stability or precision

# FOM SD 300

The FOM SD 300 slot-die head embodies cutting-edge coating technology tailored for a wide range of ink rheology. Crafted from resilient steel for stability and precision, it features an innovative, lightweight design that enhances maneuverability. This state-of-the-art equipment boasts minimal dead volume, effortless coating width adjustments, and surfaces treated for chemical resistance, ensuring both durability and ease of maintenance in diverse production settings.



**FOM SD 300**  
Coating width 10 to 300mm

## TECHNICAL SPECIFICATIONS

- Flatness tolerance on inside planes of FOM SD:  $\leq 5 \mu\text{m}$  achieved over the entire surface
- Material: stainless-steel 1.4404 chemically passivated for high corrosion resistance
- Coating width: 10-300 mm
- Viscosity range: from 1 cPs to more than 100,000 cPs at 25 °C
- Dual port: Pressure measurement port and air ventilation port
- Standard single manifold
- Thread for connecting tubes 1/8" NPT

## APPLICATIONS

Due to its accuracy, it is used in research and development for a wide range of applications and in precision industries like electronics, fuel cells, batteries, photovoltaics as well as medical and pharmaceutical applications.

## FOM SD OVERVIEW

Model	Coating width	Weight PEEK	Weight Stainless steel	Dimensions (L x W x H)	FOM nanoRC	FOM arcRC	FOM scalarSC	FOM vectorSC	FOM alphaSC	FOM alphaR2R	FOM sigmaR2R	FOM moduloR2R
FOM SD 25	25 mm	0,12 kg	0,78 kg	28 x 30 x 70 mm								
FOM SD 50	50 mm	0,2 kg	1,12 kg	90 x 30 x 70 mm								
FOM SD 100	100 mm	0,3 kg	1,74 kg	140 x 30 x 70 mm								
FOM SD 200	200 mm	0,72 kg	4,06 kg	240 x 40 x 70 mm								
FOM SD 300	300 mm		8,6 kg	328 x 55 x 86 mm								
FOM SD 500	500 mm		20 kg	550 x 80 x 65 mm								

## OPTIONS

- Slot-die heating up to 80°C
- Syringes offered in stainless steel, plastic, and glass variants
- FOM SD tool kit - Stainless steel
- FOM SD Cleaning Kit
- FOM SD 300 SV fitting adapter from 1/8"NPT
- Syringes offered in stainless steel, plastic, and glass variants
- Compatible with FOM continuous pumping system
- Compatible FOM syringe pump (syringe heating optional)



# FOM SD 500

Designed to focus on both performance and user convenience, FOM slot-die harnesses cutting-edge technology to deliver exceptional coating quality across the expansive 500 mm width. Its lightweight build and integrated handle ensure portability without compromising on stability or precision, making it an ideal choice for diverse production environments requiring both efficiency and accuracy.



**FOM SD 500**  
Coating width 10 to 500mm

## TECHNICAL SPECIFICATIONS

- Flatness tolerance on inside planes of FOM SD:  $\leq 5 \mu\text{m}$  achieved over the entire surface
- Material: stainless-steel 1.4404 chemically passivated for high corrosion resistance
- Coating width: 10-500 mm
- Standard single manifold
- Viscosity range: from 1 cPs to more than 100,000 cP at 25 °C
- Dual port: Pressure measurement port and air ventilation port
- Pressure measurement port available
- Thread for connecting tubes 1/8" NPT

## APPLICATIONS

Due to its accuracy, it is used in research and development for a wide range of applications and in precision industries like electronics, fuel cells, batteries, photovoltaics as well as medical and pharmaceutical applications.

## FOM SD OVERVIEW

Model	Coating width	Weight PEEK	Weight Stainless steel	Dimensions (L x W x H)	FOM nanoRC	FOM arcRC	FOM scalarSC	FOM vectorSC	FOM alphaSC	FOM alphaR2R	FOM sigmaR2R	FOM moduloR2R
FOM SD 25	25 mm	0,12 kg	0,78 kg	28 x 30 x 70 mm								
FOM SD 50	50 mm	0,2 kg	1,12 kg	90 x 30 x 70 mm								
FOM SD 100	100 mm	0,3 kg	1,74 kg	140 x 30 x 70 mm								
FOM SD 200	200 mm	0,72 kg	4,06 kg	240 x 40 x 70 mm								
FOM SD 300	300 mm		8,6 kg	328 x 55 x 86 mm								
FOM SD 500	500 mm		20 kg	550 x 80 x 65 mm								

## OPTIONS

- Slot-die heating up to 80°C
- FOM SD tool kit - Stainless steel
- FOM SD Cleaning Kit
- FOM SD 500 Standard Viscosity fitting adapter 1/8 in. NPT
- FOM SD 500 High Viscosity fitting adapter
- FOM SD 500 pump fitting adapter
- Syringes offered in stainless steel, plastic, and glass variants
- Compatible with FOM continuous pumping system
- Compatible FOM syringe pump (syringe heating optional)



# Shims and miniscus guides

FOM shims and meniscus guides feature diverse designs, patterns, thicknesses, and lip heights meticulously crafted for precise coating applications. Engineered with high-grade stainless steel, these versatile dies offer tailored solutions for achieving consistent and high-quality coatings across various substrates, providing flexibility and reliability for diverse production needs.

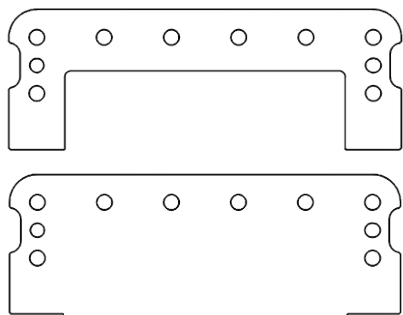
## TECHNICAL SPECIFICATIONS

- Material: AISI302 stainless steel for corrosion resistance
- Coating width: 1-500 mm
- Available thicknesses (µm): 50, 60, 70, 80, 90, 100, 110, 120, 130, 150, 180, 200, 250, 300, 400, 500.
- Default thicknesses: Shim (100µm)/ Meniscus guide (200µm).
- Default lip height: 0,50 mm
- Coating pattern: standard, custom, or bespoke design
- Customization: custom lip height, thickness, patterns, coating width

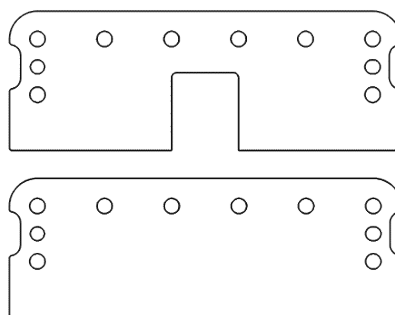
Model	Shims and meniscus guide outer dimensions	
	Width	Height
FOM SD 25	65 mm	50,5 mm
FOM SD 50	90 mm	50,5 mm
FOM SD 100	140 mm	50,5 mm
FOM SD 200	240 mm	50,5 mm
FOM SD 300	328 mm	59,5 mm
FOM SD 500	549 mm	66,05 mm

## OPTION EXAMPLES

### Standard design



### Custom design



### Bespoke design

