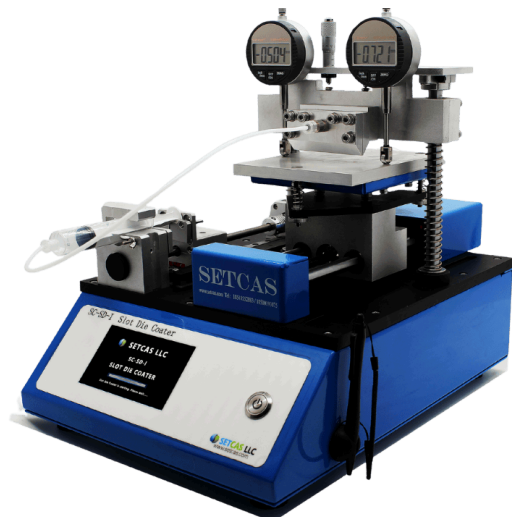


SC-SD-I

SLOT DIE COATER

The SC-SD-I is a highly cost-effective slot die coater designed by the American SETCAS team. It features an adjustable coating width of up to 50 mm and an integrated hotplate stage capable of reaching 200 °C, ensuring reliable performance for a wide range of thin-film applications.



AT A GLANCE

Max Coating Width	50 mm
Coating Thickness	1 – 1000 μ m
Hotplate Temp	Up to 200 °C
Stage Travel	100 mm
Stage Speed	100 μ m/s – 50 mm/s

Adjustable Coating & Heating

The integrated stage can be uniformly heated up to 200 °C, supporting precision coating widths up to 50 mm to accommodate diverse thin-film experimental needs.

High-Precision Speed Control

Offers excellent control accuracy with stage speeds ranging from 100 μ m/s to 50 mm/s and syringe speeds from 12 μ m/s to 5 mm/s for highly uniform films.

Global Quality Assurance

Engineered for maximum reliability, the system is backed by multiple after-sales service centers worldwide, including the United States, Hong Kong, and Beijing.

Compact Desktop Design

Designed as a convenient benchtop unit measuring just 360 x 280 x 190 mm and weighing under 10 kg, making it ideal for standard laboratory environments.

Technical Specifications

Coating Capabilities & Stage	
Slot-Die Head Coating Width	50 mm (maximum)
Slot-Die Shim Thickness	100 µm
Coating Thickness Range	1 – 1000 µm
Stage Travel Length	100 mm (maximum)
Maximum Head to Substrate Distance	13 mm
Speed Parameters	
Minimum Stage Speed	100 µm/s
Maximum Stage Speed	50 mm/s
Minimum Syringe Speed	12 µm/s
Maximum Syringe Speed	5 mm/s
Heating & Environment	
Hotplate Temperature	Room Temperature to 200 °C (maximum)
Ambient Temperature	0 - 40 °C
Relative Humidity	< 85%
Facilities & Mechanical Data	
Power Supply	DC 24 V, 6.2 A, via AC 100-240V 50/60Hz adapter
Dimensions (D × W × H)	360 mm × 280 mm × 190 mm
Shipping Weight	< 10 kg
Installation Method	Place on a horizontal desktop
Origin	R&D by American team, production & assembly in Beijing
Warranty	1 Year

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