

Slot Die Coating Masterclass



Program Day I – Wednesday, July 2nd, 2025

9.00 am	–	9.30 am	Welcome, course overview, safety briefing COATEMA COATING MACHINERY GMBH, Kira Grefkes - Manager R&D centre
9.30 am	–	10.30 am	Particle characterization: Theory and practice ANTON PAAR GERMANY GMBH, Dr. Christoph Winkler
10.30 am	–	10.45 am	Coffee break
10.45 am	–	12.15 pm	Rheology in rotation and oscillation for printing and coating ANTON PAAR GERMANY GMBH, Mario Krautschick
12.15 pm	–	1.00 pm	Lunch break
1.00 pm	–	2.00 pm	Fundamentals and machinery for slot die coating COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert
2.00 pm	–	2.30 pm	Guided tour Coatema R&D centre COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert
2.30 pm	–	4.00 pm	Practical session 1: Rheology in rotation and oscillation ANTON PAAR GERMANY GMBH, Mario Krautschick
4.00 pm	–	4.15 pm	Coffee break (R&D centre)
4.15 pm	–	5.15 pm	Practical session 2: Hands-on slot die assembly COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert / Muammar Mor – Process Specialist
5.15 pm			Transfer to social dinner event

Program Day II – Thursday, July 3rd, 2025

9.00 am	–	9.05 am	Welcome COATEMA COATING MACHINERY GMBH, Kira Grefkes - Manager R&D centre
9.05 am	–	9.50 am	Surface energy and surface tension for coating and drying MaterialsXpertise, Dr. Mariëlle Wouters
9.50 am	–	11.00 am	The necessity of numerical simulations for slot die coating?! When, where and how? COATEMA COATING MACHINERY GMBH, Dr. Pegah Shakeri – R&D Manager / Dr. Klaus Peter Crone – Slot Die Expert
11.00 am	–	11.15 am	Coffee break
11.15 am	–	11.45 am	Advanced slot die coating and peripheral equipment COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert
11.45 am	–	12.15 pm	What comes after the coating? Fundamentals of drying technology COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert
12.15 pm	–	1.00 pm	Lunch break
1.00 pm	–	1.45 pm	Practical session 3: Measurement of contact angle and surface tension DATA PHYSICS, Daniel Scholz
1.45 pm	–	2.30 pm	Practical session 4: Slot die coating on sheets and rigid substrates COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert / Kira Grefkes - Manager R&D centre / Muammar Mor – Process Specialist
2.30 pm	–	2.45 pm	Coffee break (R&D centre)
2.45 pm	–	4.00 pm	Practical session 5: Roll-to-roll slot die coating COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert / Kira Grefkes – Manager R&D centre
4.00 pm	–	4.30 pm	Q&A session and closing remarks

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