

Slot Die Coating Masterclass



Preliminary agenda / the agenda may change in the course of the masterclass / Subject to changes

Program Day I – Tuesday, September 9th, 2025

9.00 am – 9.30 am **Welcome, course overview, safety briefing**

COATEMA COATING MACHINERY GMBH, Harmen Rooms – Manager R&D

9.30 am – 11.00 am **Fundamentals of slot die coating**

COATEMA COATING MACHINERY GMBH, Matteo Iacomini – R&D Process Engineer

11.00 am – 11.15 am **Coffee break**

11.15 am – 12.15 pm **Mathematics behind slot die – Part 1**

COATEMA COATING MACHINERY GMBH, Keni Sebastian – R&D Manager

12.15 pm – 1.00 pm **Lunch break**

1.00 pm – 2.00 pm **Mastering your materials**

MaterialsXpertise, Dr. Mariëlle Wouters – CEO

2.00 pm – 2.30 pm **Particle measurement**

ANTON PAAR GERMANY GMBH, Vanessa Fronk

2.30 pm – 2.40 pm **Coffee break**

2.40 pm – 3.10 pm **Viscosity measurement**

ANTON PAAR GERMANY GMBH, Mario Krautschick

3.10 pm – 3.40 pm **Contact angle measurement**

DATA PHYSICS, Dr. Peter Oberschachtsiek

3.40 pm – 3.55 pm **Coffee break (R&D centre) & safety clothes R&D centre**

3.55 pm – 4.10 pm **Preparation of trials – What is needed to coat?**

COATEMA COATING MACHINERY GMBH, Kira Grefkes – Manager R&D centre / Muammar Mor – Process Specialist

4.10 pm – 5.10 pm **Three groups:**

Room 1 (Measuring Lab)

Measurement viscosity, ANTON PAAR GERMANY GMBH, Mario Krautschick

R&D centre Office 2

Measurement contact angle, DATA PHYSICS, Peter Oberschachtsiek

R&D centre

Hands on session (Mounting the slot die), R&D team

5.15 pm **Transfer to social dinner event**

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Program Day II – Wednesday, September 10th, 2025

8.30 am	–	8.35 am	Welcome & introduction
COATEMA COATING MACHINERY GMBH, Harmen Rooms – Manager R&D			
8.35 am	–	9.30 am	Advanced slot die coating and peripheral equipment
COATEMA COATING MACHINERY GMBH, Matteo Iacomini – R&D Process Engineer			
9.30 am	–	10.15 am	Rheology for non-Newtonian fluids
MaterialsXpertise, Dr. Mariëlle Wouters – CEO			
10.15 am	–	10.30 am	Coffee break
10.30 am	–	11.30 am	Mathematics behind slot die coating – Part 2
COATEMA COATING MACHINERY GMBH, Matteo Iacomini – R&D Process Engineer			
11.30 am	–	12.30 pm	What comes after the coating? Fundamentals of drying technologies
COATEMA COATING MACHINERY GMBH, Dr. Luisa Maren Borgmann – R&D Scientist			
12.30 pm	–	1.15 pm	Lunch break
1.15 pm	–	2.00 pm	The necessity of numerical simulations for slot die coating
COATEMA COATING MACHINERY GMBH, Keni Sebastian – R&D Manager / MaterialsXpertise, Dr. Mariëlle Wouters			
1.15 pm	–	2.00 pm	Lunch break
2.00 pm	–	3.30 pm	Three groups:
Room 1 (Measuring Lab)			Viscosity measurement of battery slurry , ANTON PAAR GERMANY GMBH, Mario Krautschick
R&D centre Office 1			Particle analysis on selected samples , ANTON PAAR GERMANY GMBH, Vanessa Fronk
R&D centre Office 2			Process optimisation and guarding , BST GmbH, Kai Prah
3.30 pm	–	3.45 pm	Coffee break (R&D centre)
3.45 pm	–	4.15 pm	Trials – Slot die trouble shooting
COATEMA COATING MACHINERY GMBH, Slot Die Expert / Dr. Sven Bonus – R&D centre Manager / Muammar Mor – Process Specialist			
4.15 pm	–	4.30 pm	Q&A session and closing remarks

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