

# Slot Die Coating Masterclass



## Program Day I – Tuesday, April 29<sup>th</sup>, 2025

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

## Program Day II – Wednesday, April 30<sup>th</sup>, 2025

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

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