

# Slot Die Coating Masterclass



## Program Day I – Tuesday, August 13<sup>th</sup>, 2024

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 – Wednesday, August 14<sup>th</sup>, 2024

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**  
COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert

9.50 am – 10.30 am **The necessity of numerical simulations for slot die coating?! When, where and how?**  
COATEMA COATING MACHINERY GMBH, Dr. Pegah Shakeri – R&D Manager

**10.30 am – 10.45 am Coffee break**

10.45 am – 11.30 am **What comes after the coating? Fundamentals of drying technology**  
COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert

11.30 am – 12.00 pm **Advanced slot die coating and peripheral equipment**  
COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert

**12.00 pm – 12.45 pm Lunch break**

12.45 pm – 2.15 pm **Practical session 3: Slot die coating on sheets and rigid substrates**  
COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert / Muammar Mor – Process Specialist

**2.15 pm – 2.30 pm Coffee break (R&D centre)**

2.30 pm – 4.00 pm **Practical session 4: Roll-to-roll slot die coating**  
COATEMA COATING MACHINERY GMBH, Dr. Klaus Peter Crone – Slot Die Expert

4.00 pm – 4.30 pm **Q&A session and closing remarks**

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