

OSD Academy

Coating – from powder to tablet

Tuesday, November 11, 2025

- 08:45–09:00 AM **REGISTRATION**
- 09:00–09:30 AM **WELCOME & INTRODUCTION TO PHARMA SERVICES**
- 09:30–10:30 AM **BASICS OF COATING TECHNOLOGY AND PROCESS SELECTION**
Basics of the function of the fluid bed and drum coater. Comparisons between fluid bed and drum coater technology. Advantages and disadvantages of both methods and how to select the right process.
- 10:30–10:45 AM **COFFEE BREAK**
- 11:00–12:00 AM **EXCIPIENTS FOR COATING**
Overview of the commonly used excipients for coating processes and the role of adjuvants, such as anti-tacking, plasticizer, and colorants.
- 12:00 AM - 01:00 PM **LUNCH BREAK**
- 01:00–02:00 PM **FILLING PELLETS INTO CAPSULES**
Influence of material attributes and process parameters on the filling of pellets and coated material into capsules.
- 02:00–04:30 PM **PRACTICAL INTRODUCTION INTO COATING PROCESSES**
- 04:30 PM **TRANSFER**
- 06:30 PM **EVENING EVENT**

Wednesday, November 12, 2025

- 09:00–10:00 AM **PROCESS PARAMETERS FOR FLUID BED COATING AND DRUM COATING**
Parameters influencing the coating process and how to use them for process control.
- 10:00–10:15 AM **COFFEE BREAK**
- 10:15–11:00 AM **PHYSICAL UNDERSTANDING OF COATING – BASICS FOR SCALE-UP**
Parameters used for a successful scale-up and how they are determined.
- 11:00–12:00 AM **MUPS –COMPRESSION OF PELLETS INTO MULTIPLE UNIT PELLET SYSTEM**
Pitfalls and solutions of producing multi unit pellet dosages.
- 12:00 AM – 01:00 PM **LUNCH BREAK**
- 01:00–05:00 PM **HANDS-ON WORKSHOP FOR DIFFERENT COATING PROCESSES**
All participants will work in small groups on a small project on fluid-bed or drum coating machines.
- 05:00 PM **TRANSFER**
- 07:00 PM **EVENING EVENT**

Thursday, November 13, 2025

- 09:00-10:00 AM **TROUBLESHOOTING OF FLUID BED COATING**
Common challenges and mitigation techniques during fluid bed coating from lab to commercial scale.
- 10:00–10:15 AM **COFFEE BREAK**
- 10:15–11:15 AM **TROUBLESHOOTING OF DRUM COATING**
Common challenges and mitigation techniques during drum coating from lab to commercial scale.
- 11:15–12:00 AM **OPEN SESSION AND Q&A**
Participants are asked to send questions and topics upfront to be prepared by Syntegon and discussed in a broader audience. Ranges from troubleshooting, process optimization, scale-up, or galenic topics.
- 12:00 AM – 01:00 PM **LUNCH BREAK**
- 01:00–01:15 PM **WRAP-UP AND END OF SEMINAR**
- 01:30–02:30 PM **OPTIONAL SCHOPFHEIM SITE COMPANY TOUR**

AGENDA.