

PHARMA EXTRUSION ACADEMY

➤ March 30 - 31, 2017

➤ Nuremberg, Germany



PHARMA EXTRUSION ACADEMY

Understanding Pharmaceutical Extrusion Technology

Extrusion technology with co-rotating twin-screws has become an accepted method for continuous processing of pharmaceutical materials with significant advantages compared to batch processes. It has developed to a proven system for hot melt extrusion, granulation, lipid extrusion, transdermals and implants. However, to fully benefit from the advantages, understanding both extruder and process is necessary.

The training program

The Leistritz Pharma Extrusion Academy is a training program with theoretical and practical settings providing valuable support for development and production - tailored for the demanding requirements of the pharmaceutical industry.

The target groups

Priorily employees from R&D, lab, operation and production.

The advantages are clear

- Comprehensive process understanding (take a view into the extruder)
- Process support through Quality by Design, Process Analytical Technology (PAT), Design of Experiments (DoE) and simulation
- Extensive information on the most recent state-of-the-art in pharmaceutical extrusion technology
- Improvement of product quality and process conditions due to increased basic knowledge
- Optimisation of production and more efficient handling of pharma extrusion lines
- Discuss and exchange experience with experts

The training is conducted by experienced extrusion experts in cooperation with international research institutes and scientific consultants. Thus a competent and practical training is guaranteed.



➤ Organisational Details

THE PROGRAM CONTAINS:

- Soft drinks & snacks during the training
- 2 x lunch
- Dinner & evening program
- Transfers Leistriz ↔ hotel
- Training material including conference file
- Training certificate

Number of participants

The number of participants is limited to 25 persons.

Price

Participation fee 890.- EUR plus VAT

Special conditions

In case of **simultaneous** multiple registrations from one company we grant the following reductions per participant: For two registrations 5 % and for three or more registrations 10 % discount.

➤ Registration

You want to enrol for the Leistriz Pharma Extrusion Academy 2017? Please complete the form and return it by mail to extrusion-service@leistriz.com

First name, surname

Company/Institute

Street, house number

Zip code, city, country

Telephone

E-Mail

For further participants please fill in a copy of this form.

Date

Signature

Cancellation

Written cancellation is required. Up until one week before the beginning of the event we have to invoice a cancellation fee of 10 % of the participation fee plus VAT. In case of a later cancellation the full price has to be invoiced. In this case we will send the training material upon request. It is possible to name a substitute participant upon prior agreement.

Location

The conference location is the Ramada Nürnberg Parkhotel (www.ramada-nuernberg.de) and the premises of Leistriz Extrusionstechnik (www.leistriz.com).

Safety

Practical demonstrations take place in the lab and require safety equipment. Protective glasses and gloves are provided, but please bring along **own steel-toed safety shoes if possible and/or available**.

Hotel/Accommodation

Accommodation is not included in the participation fee. An allotment on demand for a limited number of preferential rate rooms is available for participants in the conference hotel. **Please book your accommodation directly at the hotel in time by phone or e-mail**, mentioning the keyword „Leistriz Extrusion Academy“ (room rate 92,- EUR/night single room, breakfast incl.): Ramada Nürnberg Parkhotel, info@ramada-nuernberg.de, Tel.: +49 911 474 80

➤ Alternative invoice address:

Company/Institute

Street

Zip code, city, country

VAT ID No.

If you have questions, please get in touch:

Tel.: +49 911 4306-184

E-Mail: extrusion-service@leistriz.com

WEDNESDAY, MARCH 30, 2017

08:30	Welcome coffee at Ramada Nürnberg Parkhotel Registration	
09:00	Welcome address Safety training	
09:15	Basic components of the extruder: Mechanics, feeder systems, downstream equipment, control system	Leistritz
09:30	Features of pharmaceutical plants: Plant layouts for specific applications, process technology, qualification How to handle high potents and small-scale extrusion Process Analytical Technology (PAT) and Quality by Design	Leistritz
10:15	Coffee break	
10:30	Process understanding: The look inside the extruder Setting parameters - what you set and what you get	Leistritz
11:45	Lunch	
13:00	Transfer to Leistritz lab	
13:15	Demonstrations on ZSE 12 HP-PH and ZSE 18 HP-PH: Influence of process changes and effects on product quality visualized by PAT Downstream equipment, screw elements, disassembly and equipment cleaning	Practical session
16:30	Transfer to hotel	
16:30	Summary Q & A day 1	

FRIDAY, MARCH 31, 2017

08:30	Operational excellence: Novel PAT technology with UV-Vis spectro photometer	ColVisTec AG
09:15	Continuous pharmaceutical product development: A Quality by Design approach using extrusion technology	De Montfort University
10:00	Coffee break	
10:30	Extending the scale: Scale-up calculations and simulation tools	SC-Consultants
11:15	SCADA Automation Systems: Where are we and where to go?	Actemium EMR GmbH
11:45	Hot-melt extruded formulations: Rapid and lossless prototyping	MeltPrep GmbH
12:15	Summary Q & A day 2	
12:30	Lunch	
14:00	End of event	

In cooperation with:      

The program may be subject to alterations.