

## Extrusion Academy PRO<sup>online</sup>

5 modules—1 goal: Become an extrusion pro with us!

Building on the BASIC seminar, the Extrusion Academy PRO<sup>online</sup> offers an even more detailed insight into the extrusion process with the twin screw extruder.

The training consists of several topic modules that can be booked individually or at a favorable package price.

In the online modules, which last a good two hours, participants develop process-oriented solutions together with experts from Leistritz and well-known partner companies and deal with the factors influencing product quality. The focus is on the challenges of the various key processes and their solutions.

**EXTRUSION  
ACADEMY**

**REGISTER NOW!**



LEISTRITZ  
EXTRUSION  
ACADEMY  
SUCCESSFUL FOR OVER  
**15**  
YEARS



## Modul I - Refresher of the basics

19 NOV 2021 - 09:00 am – 11:30 am (CEST)



In this module we repeat the **basics of extrusion technology** with special attention to the process part. After the refresher on the **function & mode of operation of the screw elements**, we move directly on to the application. Our experts show you how the building blocks are put together to form a process. Here we go into the individual **functional zones** in the process section and draw a screw configuration from practice using the **SIGMA ME program**. Now the structure is ready!

Once our setup has successfully passed the practical test on a laboratory scale, it's time for large-scale production! We will show you how to translate your lab-scale process to production scale (**scale-up/down**).

### Target audience:

- anyone who needs a refresher on the basics
- line operators, production supervisors

### Price:

**250.- €**

Or favorable package price when booking several modules.  
Student rate: 25,- €/module (proof required)

## Modul II - Analytics

26 NOV 2021 - 09:00 am – 11:30 am (CEST)



The **evaluation of process parameters** to optimize the process or maintenance is becoming increasingly important. We will show you which possibilities there are to read out data in a targeted manner. Above all, we will show you which findings and conclusions you can draw from the individual measurement and evaluation processes to **make your own production even more effective**.

Particular focus is placed on quality assurance through the recording of rheological process parameters and inline spectroscopic process control and color measurement.

### Target audience:

- process engineers
- production managers

### Price:

**250.- €**

Or favorable package price when booking several modules.  
Student rate: 25,- €/module (proof required)

## Modul III– Masterbatch

10 DEZ 2021 - 09:00 am – 11:30 am (CEST)



The production of highly concentrated color, additive or filler masterbatches involves a whole range of challenges. In Module III, we will show you how to master these to achieve optimum production results.

The main focus is on the **basics of masterbatch production, the optimum melting point and dispersion**. **Shear-sensitive products** and their handling will also be examined.

Together with the participants, examples are discussed, process setups are considered and the **optimum screw geometry** for your process is created.

### Target audience:

- users from masterbatch sector
- process engineers, production managers

### Price:

**250.- €**

Or favorable package price when booking several modules.  
Student rate: 25,- €/module (proof required)

## Modul IV - Compounding

03 DEZ 2021 - 09:00 am – 11:30 am (CEST)



We will show you the specific **requirements of various fillers and reinforcing materials** (e.g. automotive / highly filled compounds) and how to process them correctly on a twin-screw extruder using practical ex-amples.

Special attention will be paid to the **influence of additives on the final product quality**.

Together with the participants, we will discuss examples, look at process setups and create the **optimum screw geometry** for your process.

### Target audience:

- Users from compounding sector
- process engineers, production managers

### Price:

**250.- €**

Or favorable package price when booking several modules.  
Student rate: 25.- €/module (proof required)

## Modul V - Food

02 DEZ 2021 - 09:00 am – 11:30 am (CEST)



This module covers the entire process flow for the production of, among others, **cereals, textured vegetable proteins (TVP) or for the encapsulation of flavors and enzymes**. Starting with the feeding aggregates, through the extrusion process to the final cutting/molding.

We address the following questions, among others:

- Why meat analogs? Does it taste like real food?
- How can I adjust my process to get the right texture and flavor I want?
- What does the final product look like? How is it cut and shaped?

- Which raw materials do I choose best? How does formulation affect the final product?
- Formulation or process conditions? What is the decisive factor?

### Target audience:

- Persons from the food industry with interest in energy- and space-optimized new plant solutions
- Persons interested in downstream equipment for food extruders for final shaping of the end product with a focus on TVP
- Persons confronted with challenges in food extrusion

### Price:

**250.- €**

Or favorable package price when booking several modules.  
Student rate: 25.- €/module (proof required)

**Price: 250.-€ per module\* | 600.- € for 3 modules, 800.- € for 4 & 1,000.- € for 5 modules**

\*Students (proof required) pay 25.- € per module.

### How to participate:

Register directly online on our [registration page](#). There you can book the modules individually or as a complete package. You will then receive an order confirmation and invoice from us. Once the invoice has been paid, we will send you the personalized access code and the slide set as a pdf file a few days before the live lecture. On the day of the lecture, you simply activate the transmitted access code shortly before the seminar begins. A microphone and camera are recommended for participation. However, questions can always be asked via chat. Each module will be recorded. The recording can be accessed up to 7 days after the event. Participants will receive a certificate of attendance. All questions asked about the respective lecture will be answered anonymously for the participants after the end of the lecture.

**Contact: +49 911 4306-184 / [marketing-service@leistritz.com](mailto:marketing-service@leistritz.com)**