



## **Food Extrusion** Workshop 2025

# Food Extrusion Workshop.

Uzwil, Switzerland

**With emphasis on machine and process technology, this hands-on focused workshop consists of lab sessions in Bühler's state-of-the-art extrusion pilot plant complemented by theory lessons.**



## Course content

Principles of extrusion technology

- Extrusion fundamentals
- Function of screw elements
- Effects of mechanical and thermal energy input
- Screw configurations for direct and indirect expanded food products

Extrusion process related equipment

- Steam addition into extruder and preconditioning as a means of thermal energy addition
- De-gassing and application of vacuum as a means of thermal energy removal
- Co-extrusion process and remote-cut technology
- Coloring and coating of extruded products
- Drying and toasting technology

Presentations of various extruded food products

- Direct and indirect expanded RTE breakfast cereals and snacks
- Dry and wet texturized plant-based proteins
- Modified flours, reconstituted rice and extruded breadcrumbs

Analytical methods to analyse raw materials and final products

- Conversion of starch and proteins during extrusion cooking process
- Demonstration in Bühler's Analytical Laboratory

With focus on demonstrations in our state-of-the-art Extrusion Application Center we will have theory sessions in between to provide the necessary understanding of the process of the extruded foods produced in each lab session.



## Target group

This workshop is intended for operation supervisors, engineering or R&D personnel, etc.



## Date

May 5 – 8, 2025



## Language

English



## Number of participants

Min. 15 participants



## Place

Extrusion Application Center Bühler Uzwil CH

**Safety first** - please bring your own safety shoes and safety glasses.



## Costs

CHF 4'900.-

Included: course documentation, lunches, social evening with dinner.

Excluded: Hotel accommodation, traveling costs, transportation/transfer between airport, hotel and Bühler.



## Hotel

Accommodation from May 4 – 10, 2025 can be booked through Bühler using the registration form. Costs are to be covered by the participant. The hotel will be announced after registration.



## General inquiries

[vn.academy@buhlergroup.com](mailto:vn.academy@buhlergroup.com)

## Registration

Please visit the website and fill in the contact form:

[www.buhlergroup.com/extrusion-workshop](http://www.buhlergroup.com/extrusion-workshop)

