



# Food Extrusion Workshop 2023



# Food Extrusion Workshop.

Uzwil, Switzerland

**With emphasis on machine and process technology, this food extrusion workshop consists of theoretical sessions and practical demonstrations in Bühler's state-of-the-art extrusion pilot plant.**



## Course content

Principles of extrusion technology:

- Extrusion Basics
- 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 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

Between the theoretical sessions there will be live demonstrations of various extruded products in Bühler's state-of-the-art extrusion pilot plant.



## Target group

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



## Date

June 13. - 16. 2023



## 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.-

Including: course documentation, lunches, coffee during breaks, one social evening with dinner.

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



## Hotel

Accommodation from June 12.-17. 2023 can be booked through Bühler on request. Costs however have to be covered by the participant. Name of hotel will be announced after registration.



## General inquiries

marketing.vn@buhlergroup.com

## Registration

Please visit the website and fill in the contact form:

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

