

Extrusion Workshop Pet food / Aqua feed

22nd – 26th Nov. 2010

Bühler AG

Business Unit Pasta
& Extruded Products



A four+one day "hands-on" workshop at the Bühler extrusion pilot plant, about twin screw extrusion technology and the preparation of feed ingredients by size reduction and mixing.

Feed Preparation Module (1) (22nd Nov 2010)

- Theory about **Grinding** and **mixing** systems and plants and the corresponding Layouts
- Influences to the **grinding process** and particle size distribution chart
- Requirements to a modern mixer, mixing **accuracy** and its influences
- Grinding and mixing **equipment**.

Main Module (2) (23rd- 26thNov 2010)

- Introduction to the **basics of extrusion technology**, focusing on preconditioning, energy, moisture and mass flow balance
- Discussion of **single v/s twin screw extrusion** technology, screw configuration, die and knife technology
- **SME control and product density control** and its significance in vacuum coating
- **Practical Demonstrations**
All of the theoretical aspects will be demonstrated on many practical examples. The following applications are targeted:
 - Modifications of cereals, pulses, proteins etc.
 - Fish feeds (floating, sinking) including vacuum coating, Shrimp feeds and/or feeds for other aquatic species, influence of alternative protein and starch sources etc.
 - Dry, semi moist and/or bicoloured pet foods, treats, addition of slurries, etc.
 - Texturisation of proteins
 - Other subjects upon specific interests

Date / Duration

Module 1: Monday 22nd Nov
Module 2: Tuesday 23rd – Friday, 26th Nov 2010

Language

English. Assistance in German can be given.

Target group

This workshop is intended for operation supervisors, engineering or R&D personnel, etc. i.e. persons, which are actively involved in technological aspects and feasibility considerations of extrusion.

No. of participants

Min. 10 participants, max. 22 participants

Place of the course

Extrusion Pilot Plant of Bühler AG, Uzwil, Switzerland

Course fee

Module 1: CHF 400.-
Module 2: CHF 3'500.-

Early bird rate for Main Module for registrations **before 22nd Sep 2010: CHF 3'250.-**

Included are course documentation, lunches, coffee during breaks, one social evening with dinner. Not included is hotel accommodation, travelling costs, transportation from airport to hotel etc.

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Application

Latest by 22.10.2010. With this application form:
Application shall only be valid, when full amount of
course fee is paid until 22.10.10. (refer to payment).

Please send the application form to:
Buhler AG, PE12, 9240 Uzwil / Switzerland
Tel: ++41 71 955 37 97; Fax: ++41 71 955 33 88
gordana.breitenmoser@buhlergroup.com.

Payment

Payment due 22.10.2010.
In case of withdraw after registration no course fee
will be refunded.

Bank data

Bühler AG, Business Unit Pasta & Extruded Products
Credit Suisse First Boston, 8070 Zürich, Switzerland
Acc. No. 242394.31
IBAN No. CH7104835024239431000
Swift/ BIC No. CRESCHZZ80A
Please state „Extrusion course / PE No. 67659015”,
full name/company on the payment.

Accommodation

Hotel accommodation from the 21st, resp. 22nd
depending on the booked Modules onward is already
booked by Bühler. Costs however have to be
covered by the participant!

Hotel Uzwil, Bahnhofstrasse 67, 9240 Uzwil
CHF 140.- per person and night including breakfast.
For more information refer to
<http://www.hotel-uzwil.ch> or contact us.

Note: Bühler AG reserves the right to restrict
admission.

Registration for:

Feed Prep. Module Main Module

Participant's family name

Given first name

Company name

Occupation

Company address

Company phone number

Company fax number

Company email address

Mobile phone

Signature:

Date: