

PLANNED PROGRAM

Aquafeed Extrusion Technology

CHILE | 14 - 16 NOVEMBER, 2022

Program may be subject to minor changes.

DAY ONE

Monday, 14 November, 2022

09:15	Introduction & Welcome
09:30	Overview of the Extrusion Process
10:00	Extruder Configurations - Single & Twin Screw
11:00	Morning Break
11:30	Ingredients & Their Effects
12:15	Role of Rheology in Extrusion Processing
13:15	Lunch
14:15	Principles of Die Design
15:00	Preconditioning for Extrusion
15:45	Afternoon Break
16:15	Pellet Quality Measurement
17:00	Product Formulation Example
17:45	Close Day One

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DAY TWO

Tuesday, 15 November, 2022

09:15	Review Day One
09:30	Product Density Control
10:15	Causes & Effects of Instabilities During Extrusion Processing
11:00	Morning Break
11:30	Single Screw Extruders vs Twin Screw Extruders
12:30	Screw, Barrel & Die-plate Wear
13:15	Lunch
14:15	Demonstration Pre-recorded in Pilot Facility Review of Demo Extruder Start-up Video & Discussion
16:15	Afternoon Break
16:45	Optimal Extruder Configurations
17:30	Close Day Two

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DAY THREE

Wednesday, 16 November, 2022

09:15	Review so far
09:30	Die Design & Extruder Configuration Examples
10:15	Paste Viscosity Measurement & Extruded Product Quality
11:00	Morning Break
11:30	Influence of Energy Input on Product Water Solubility
12:15	An Engineering Analysis of the Venting Section of an Extruder
13:00	Lunch
14:00	The Vacuum Infusion Process
14:45	Scale-up & Process Transfer
15:30	Extrusion Troubleshooting
16:15	Afternoon Break
16:45	Extruded Product Quality Assurance & How to Achieve It
17:15	Final Discussion, Close of Course