

PLANNED PROGRAM

# Food & Feed Extrusion Technology

NEW ZEALAND | 17 - 19 October 2022

Subject to minor changes.

## DAY ONE

Monday 17 October, 2022

Sponsored by



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<b>08:15</b>	<b>Registration</b>
<b>08:30</b>	Introduction & Welcome
<b>08:45</b>	Extrusion Processing
<b>09:15</b>	Principles of Extruder Configuration
<b>10:00</b>	<b>Morning Break</b>
<b>10:15</b>	The Role of Ingredients in Extrusion Processing Raw
<b>11:00</b>	Materials preparation -- <i>Mixing &amp; Grinding</i>
<b>11:45</b>	The role of the Preconditioner in Extrusion Processing
<b>12:30</b>	<b>Lunch</b>
<b>13:15</b>	The Role of Rheology in Extrusion Processing
<b>13:45</b>	The Screw and Die characteristics
<b>14:15</b>	Principles of Die Design
<b>15:00</b>	<b>Afternoon Break</b>
<b>15:15</b>	<i>Tutorial 1</i> -- Conductance vs. Open Area
<b>16:00</b>	<i>Tutorial 2</i> -- Recipe Formulation Exercise
<b>16:30</b>	General Discussion
<b>16:45</b>	<b>Close Day One</b>

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## DAY TWO

Tuesday 18 October, 2022

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<b>08:30</b>	<b>Review of Day 1 &amp; Day Sponsor Introductions</b>
<b>08:45</b>	Product Texture Development
<b>09:30</b>	Causes and Effects of Extruder Instabilities
<b>10:15</b>	<b>Morning Break</b>
<b>10:30</b>	Single Screw Extruders vs Twin Screw Extruders
<b>11:15</b>	Optimal Extruder Screw profiles
<b>12:00</b>	<b>Lunch</b> <i>(Clextral Promotional Video)</i>
<b>12:30</b>	<i>Tutorial 3 - Die Design &amp; Extruder Configuration</i>
<b>13:15</b>	Pilot Plant Demonstration & Processing Videos
<b>14:00</b>	Review & Discussion of Pilot Plant Trials
<b>14:45</b>	<b>Afternoon Break</b>
<b>15:00</b>	Product Drying Technology
<b>15:45</b>	Product Coating Technology
<b>16:15</b>	General Discussion
<b>16:30</b>	<b>Close Day Two</b>

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## DAY THREE

Wednesday 19 October, 2022



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<b>08:30</b>	<b>Review of Days 1 and 2</b>
<b>08:45</b>	Screw, Barrel and Die Plate Wear
<b>09:45</b>	<b>Morning Break</b>
<b>10:00</b>	Scale-up & Process Transfer
<b>10:45</b>	Effect of Processing on Extruded Feeds
<b>11:30</b>	Cooking Viscometry -- Measuring Ingredients & Product Quality
<b>12:15</b>	<b>Lunch</b>
<b>13:00</b>	Co-Extrusion Technology
<b>13:45</b>	Post-Extrusion Processing Technologies
<b>14:00</b>	Process Trouble Shooting
<b>14:45</b>	<b>Afternoon Break</b>
<b>15:00</b>	Extrusion Process Interactions
<b>15:45</b>	Quality Assurance and How to Achieve It
<b>16:30</b>	General Discussion
<b>16:45</b>	<b>End of Day 3</b>