

The banner features a green and yellow color scheme with various icons representing agriculture (cows, sheep, wheat), industry (gears, a tractor), and science (a microscope). The word 'Alberta' is written vertically on the left side.

Bio-Industrial Opportunities Operations and Facilities Unit

Operations and Facilities

The Bio-Industrial Opportunities (BIO) Section assists industry clients with processing and scale-up capabilities needed to prepare and validate bio-based products before commercialization.

1. New opportunities

for agricultural/forestry processing and production of value-added products from waste streams and by-products

2. Maximizing value

through fractionation of biomass to isolate high value ingredients and intermediates

3. Facilitate commercialization

and market access through industry development and extension activities

By focusing on these important areas, Alberta's agricultural economy can increase the value of its crops and resources, energize rural economic activities and contribute to sustainable development.

The Facilities Operations Unit provides essential support from the unique Bio Processing Innovation Centre which contains state-of-the-art processing equipment for fibre decortication, grain fractionation, separation, extraction, polymer reaction and extrusion.

Unmatched infrastructure

Companies with innovative bio-industrial processes can only work on a lab scale for so long. To commercialize they need to scale up. The Bio-Industrial Opportunities Section offers a suite of facilities, equipment and expertise that no organization in Canada can match. Uniquely in the bio-industrial space, these assets have capacity midway between lab scale and full-scale production, giving companies the ability to test and improve their proof-of-concept ideas and processes before committing to full production.

The BIO Section has the following state-of-the-art processing equipment available:

- Dry Fractionation
- Wet Fractionation
- Extrusion
- Ozonolysis and Hydrogenation
- Pelletting
- Analytical

Bio-Industrial Opportunities Operations and Facilities Unit

An experienced, committed team

The BIO Section Operations and Facilities team offers clients a deep, multi-disciplinary skill set. This expertise is complemented by many years' experience in bio-industrial development, working with up-and-coming players passionately committed to their success.

Our knowledge, focus, and expertise on technical services help support industrial clients by delivering applied solutions that solve their most difficult challenges. We have a broad range of in-house expertise that include engineers, technologists, highly skilled machinists, and certified project managers who work closely together as a team to assist in your project.



For more information:

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