

## ENGINEERED COMPOSITES SERVICES

Engineered Composites Services has a variety of expertise and equipment focused on composite material production and testing. These assets are used to validate technologies, additives or processes and improve product performance, lower production costs, and take new products to market.

### Major Equipment

- Unique panel pilot plant facility: automated OSB forming line and 4x8-ft press with steam injection, the only R&D facility of its kind in North America, offering scale-up capability
- 3 ft x 3 ft press with steam injection, and press platen coating options
- MDF refiner pilot plant (32 inch)
- Log de-barker and strander and access to commercial strand
- Large capacity dryers and deck screener
- Drum blenders with dry powder and liquid additive options
- PressMan pressure and temperature monitoring system during panel pressing

### Material Testing

- Non-destructive testing systems
- Instron universal testing machines
- Conditioning chambers
- Concentrated static and impact load tester
- QMS vertical density profiler
- Boil, steam, and soak tanks
- Edgewise shear tester
- 4-ft wide X-ray system



InnoTech Alberta, a subsidiary of Alberta Innovates, is a leading research and technology organization serving the needs of industry, entrepreneurs and the public sector. Our leading-edge expertise and industrial-scale research and demonstration facilities accelerate and de-risk technology development and deployment for our clients with a focus on industrial solutions and commercial application.

Visit us at: [InnoTechAlberta.ca](http://InnoTechAlberta.ca)

FOR MORE INFORMATION, PLEASE CONTACT:

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Bio Industrial Services

## ENGINEERED COMPOSITES SERVICES

### Production Capabilities & Experience

- **Strand-based**
  - Oriented Strand Board (OSB)
  - Oriented Strand Lumber (OSL)
  - Laminated Strand Lumber (LSL)
  - Parallel Strand Lumber (PSL)
  - Container flooring
- **Fibre-based**
  - Medium Density Fibreboard (MDF)
  - High Density Fibreboard (HDF)
  - Fibre insulation board
- **Laminated products**
  - Laminated Veneer Lumber (LVL)
  - Cross-Laminated Timber (CLT)
  - Plywood
- **Oriented Split Straw Board (OSSB)**



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VIEW OUR OPERATION AT:  
<https://youtu.be/4MRpsra6APU>

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