

Fraunhofer Innovation Platform
for Composites Research

Industry Day



CANCOM 2024
DRIVING THE FUTURE OF COMPOSITES



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<https://www.eng.uwo.ca/fraunhofer/>



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- Joint venture between **Western University** and the **Fraunhofer Institute of Chemical Technology** (ICT) in Pfinzthal, Germany
- The FIP-Composites at Western **develops, tests, validates** and **characterizes** new lightweight materials and advanced manufacturing processes at industrial scale.
- One of the **North America's** most advanced center for industrial scale testing.
- **Canada's only** open-access, full-scale **press** with manufacturing capacity.

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Compression Molding

- Hydraulic Press

SMC (Sheet Molding Compound)

- Vacuum Assisted Compression Molding.

LFT-D (Long-Fiber Reinforced Thermoplastics)

- Compounding Twin Screw Extruder

High Pressure RTM (Resin Transfer Molding)

Injection Molding

- Foam Injection Molding (FIM)

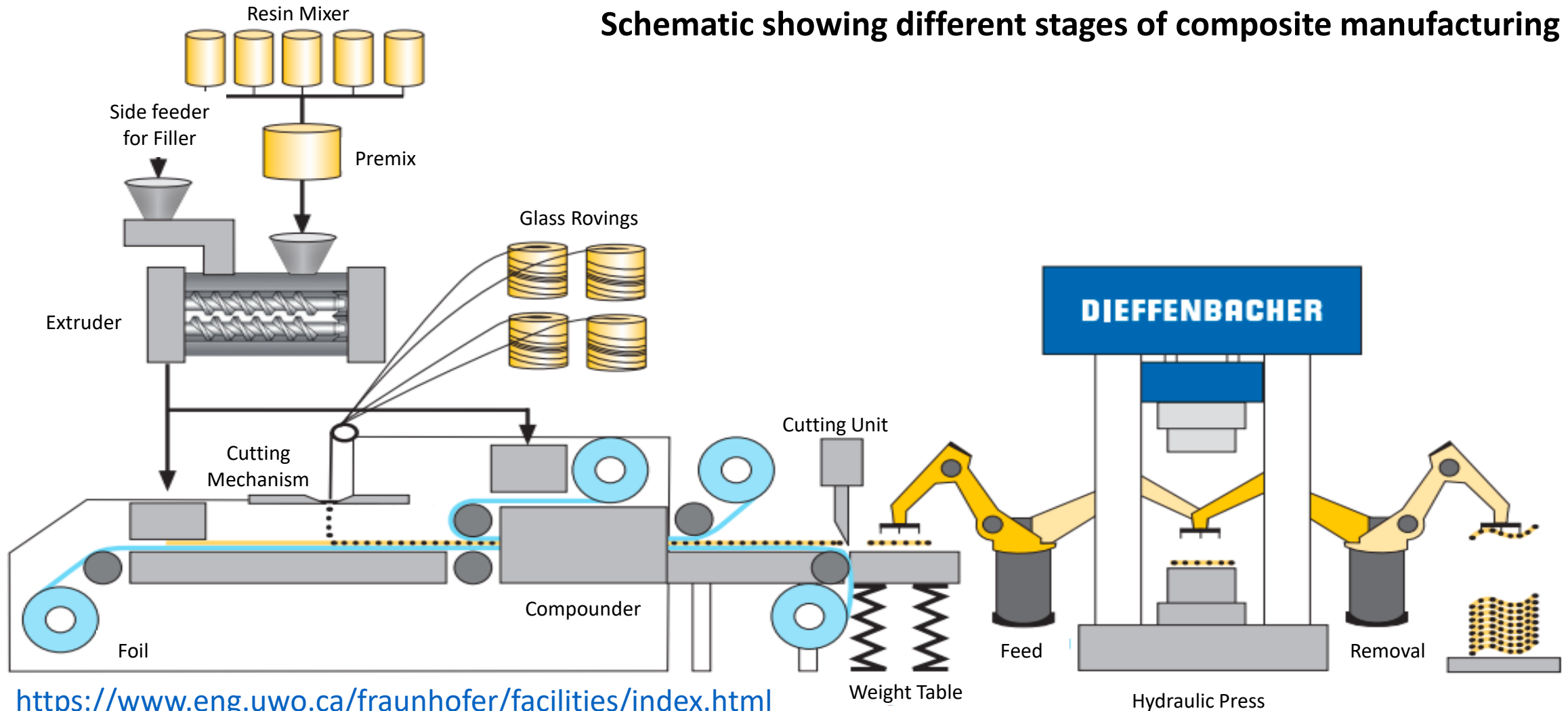
Pultrusion

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Schematic showing different stages of composite manufacturing



<https://www.eng.uwo.ca/fraunhofer/facilities/index.html>

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**Thank
You !**