

Finsterwalder Umwelttechnik recently installed a depackaging plant at a waste management facility in Canada

Tackling food waste in Ontario

Depackaging technology by German company Finsterwalder Umwelttechnik was recently installed at a waste management business in Ontario, Canada.

Davidson Environmental, a waste management company, collects food waste from restaurants and out-of-date packaged food from supermarkets in Ontario. The waste is collected in 600-litre boxes. At the facility, it is prepared for recycling in a biogas plant using a Finsterwalder compact depackaging plant, which was pre-assembled in Germany and delivered in three parts in a shipping container.

The waste is dumped into a hopper, coarsely pre-shredded with a 4-shaft shredder, and distributed to the two BS20 separation presses. The filling of the presses is supported by two filling devices. By squeezing hard, components larger than 12 mm (mainly non-fermentable impurities) are separated from the organic substrate, which is then loaded into a truck by two piston pumps (KP10).

The impurities are

pushed into a container and transported off-site. This process does not require any additional liquid and the energy content of the organics per m³ is correspondingly high. The throughput of the plant is approximately 8-10 m³ per hour.

“Fitec’s Bio-Squeeze system has become a valuable tool in our efforts to recycle even more food waste,” a spokesperson for Davidson Environmental commented. “The equipment handles any packaging, in any quantity, with no water added, as promised.

“The Fitec operating systems are easily customisable and user friendly. We are very satisfied and are looking forward to the future possible purchase of a biogas plant from Fitec.”

Finsterwalder’s team commented: “Together with our Canadian partner, Fitec Environmental Technologies, and Davidson Environmental, we were able to successfully implement an international project with the Finsterwalder compact processing plant.

“The system is used to process leftovers of



Bio-Squeeze depackaging technology

restaurants and supermarkets for efficient energy production in biogas plants. The implementation shows that, in difficult times, even

large projects can be realised professionally if you have the right partner at your side.” ●

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