

Case Study

High Density Extruder - Yogurt Manufacturer

Client Overview:

- A yogurt manufacturer
- Federal regulations prohibited this manufacturer from disposing waste loads containing too much free liquid

Objective:

To reduce the amount of free liquids from waste loads in order to be able to dispose of products in landfill and comply with federal regulations with waste disposal.

Results:

After the High Density Extruder was installed, moisture was removed and liquid food waste, which was previously being sent to the landfill, was diverted to be used as animal feed. Material volume was reduced, along with the amount of loads, and hauling and transportation costs were reduced.

Before High Density Extruder:

28 Loads/ Month - 38 cu. Yards each =
\$20,000/ Month

After High Density Extruder:

2.82 Loads/ Month - 30 cu. Yards each =
\$2,000/ Month

Annual Savings:

\$210,000

Key Pain Points:

- Plant was utilizing a 38 yard self-contained compactor / container which was being emptied on a daily basis
- Manufacturer was handling 28 loads, 38 cubic yards each month
- Average load weighed 10 tons per load
- Monthly hauling and transportation cost of managing this waste was \$20,000

Solution:

A Sebright Products Model 4030X High Density Extruder to process their wet waste was installed. Equipped with a 3,000 lb. capacity cart dumper, sonic starter, liquid collection pan and a 30 yard heavy duty receiver container, this Extruder was used to process wet material that was previously sent to a self-contained compactor.

Conclusion:

Sebright Products' High Density Extruder addressed the wet waste issues of the yogurt manufacturer through significantly reducing the amount of loads each month by 90% and reduce hauling and transportation costs annually by 90%. The loads were also able to continue to be dropped off at the local landfill once the amount of free liquids was reduced from the waste.

