

Continuous Batch Coating Systems





Batch Coating for the 21st Century

Since 1985, the Extru-Tech name has been synonymous with versatility and efficiency among food and feed manufacturers. Designed to be integral and stackable with the Extru-Tech Vertical Cooler to optimize installation, the ETI Batch Coating System offers benefits and capabilities never before available with traditional spinning disk or open drum coating systems. Plus, the Extru-Tech system offers the sanitary design and dosing accuracy demanded by today's food safety and traceability requirements.

Exceptional Capacity

The ETI Batch Coating System was designed to handle up to 40,000 pounds/hour at batch sizes of 2,500 pounds at 63% fill level. Even at this high rate, the batch coater provides 3.75 minutes of product retention time, which far exceeds the retention time of a traditional, continuous coating system. Batch retention times of up to 5 minutes are seen when operating near 24,000 lbs/hour production rates.

Cleanability

The new totally enclosed sanitary design that meets the needs of new pet food safety regulations.

- Quick, standard cleaning procedures
- Optional CIP
- Enhanced with the reduction of horizontal ledges

Capability & Flexibility

A multi-functional time/pressure spray design provides optimal liquid application uniformity across the entire batch. The automated control system determines the optimal spray time for each liquid and then sets the spray pressure for each of the pressure

supply tanks. This allows the spray time to be extended to the maximum length of time, thereby providing the most even and accurate coating possible.

Whether applying liquids or powders, the ETI Batch Coating System can also be used to apply coatings via an exclusive fogging application. Powder coatings are conveyed with air venturitis that create a fogging effect inside the coater, distributing the powder very evenly across the entire batch.

Extru-Tech's new "Advanced Feature" Batch Coater achieves all of these, through:

- Optimal integration with existing ETI Vertical Cooler
 - Reduces the need for product conveyance between coating and cooling
 - Reduces capital expenditures
 - Lowers recurring maintenance costs
 - Reduces possible product breakage
- Reduces / Prevents condensation within the coater
- Batch coating capacities up to 40,000 lbs. per hour
- Application range from 0.5 percent to 12 percent (percentage of kibble rate)
- Generates less than 0.25 percent fines





Coatings are applied in our enclosed batch mixer that features best in class product coating coverage and optimized throughput all with reduced potential for cross contamination.



The multi-functional time/pressure spray design offers both variable time and variable pressure from two separate nozzle banks and allows for optimal liquid application uniformity across the entire batch.



Unique rotary paddle design allows gentle material handling and reduces product degradation.



Our exclusive fogging application design permits evenly applied powders, this technology assures extremely accurate dosing.

