



Two-Stage Coating System



Applications

- _ Snack foods
- _ Crackers and other baked foods
- _ Prepared foods
- _ Popcorn
- _ Nuts
- _ Coffee and tea
- _ Pet food and treats
- _ Pet litter

A complete integrated continuous coating system for uniform, consistently coated finished products

The Two-Stage Coating System integrates Spray Dynamics® technologies into one coating system, evenly coating product with targeted quantities of liquid and dry ingredients.

Soft Flight Coating Drum

Custom designed internal product flights gently lift and folds the product, evenly exposing each piece for optimal liquid and dry coatings. Our standard double wall drum design facilitates sanitary operation and simple cleaning.

MS-I "Airless" Oil Spray Applicator

A complete gravity fed, pulse-operating spray system that creates a consistent, controlled, airless spray within the coating drum. Utilizing our piston-driven positive displacement pump technology and self-adjusting positive shut-off poppet nozzles, this system provides even, targeted liquid application without excessive overspray and waste.

Uni-Spense® Dry Ingredient Feeder

The Uni-Spense Dry Ingredient Feeder delivers a consistent metered supply of a variety of dry powders and granules. It features a positive displacement auger and mass flow hopper design.

Scarf Plate Distributor

Creates a controlled, expanded curtain of seasoning, salt, or other granules within the coating drum to produce an evenly coated finished product.

Product specific drum flight design

The correct size and specific angle are produced according to product shape, size, and density to minimize breakage, maximize coating, and reduce buildup of product in the drum.

Sanitary design options

Choose from a double wall or an ultra sanitary single wall drum cylinder design. Water shed, open channel, or completely enclosed drum frame designs are also available.

Equipment is designed for ease of sanitation to minimize downtime and to maximize productivity.



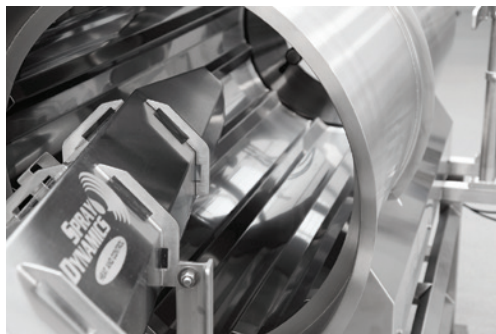
Optional dust collection/containment shrouds.



Slurry and continuous oil spray applicators available.

Flexible design

System is designed for single, two-stage, or multi zone coating capability. Handles oil spray or slurry applications for liquid additions with capability for heated liquids. Dry ingredient application equipment includes uni-spense powder feeder and scarf plate distributor.



Achieve optimal finish coated product through targeted application of liquid and dry ingredients.



Optional ultra-sanitary single wall drum.

Robust design

System is built to the highest fabrication standards for years of reliable performance.

- System sizing based on targeted product throughput and product bulk density.
- Available drum sizes from 30-72" (0.76-1.83 m) diameter and lengths of 36-180" (0.91-4.57 m).
- 304 stainless steel construction standard, 316 stainless steel or other specialty alloys available.
- Available as a standalone coating system or as part of an integrated Heat and Control system solution.

Options

- _ USDA-Dairy finish or 316 stainless steel
- _ Ultra-sanitary single wall drum design with open channel frame design
- _ Fully enclosed drum cylinder
- _ Sanitary design weigh belt base product feeder
- _ Vibratory base feeder
- _ Loss-in-weight powder system
- _ Scarf Plate Distributor trolley mount system
- _ Easy pull spray bar mount

FAQ

Q: What determines the size of the coating drum?

A: Drum sizing is based on the number of coatings to be applied along with the product throughput and density of the product.

Q: Will coating in a drum damage product?

A: A properly designed coating drum will gently lift and fold the product to ensure superior coating while deterring any product deterioration.



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