

Centrifugal Batch Coating System



Fully automated batch or continuous batch coating system

Unique centrifugal coating action is ideal for products such as dough-coated peanuts, flavored coffees, nuts, sunflower seeds, etc.

The base product supply hopper with pneumatically controlled slide gate delivers product to the PLC controlled weigh scale. Accurately measured batches of base product are fed to the coating chamber. Rotation carries the base product out to the coating chamber wall.

Solution is introduced to the high-speed spinning disc liquid applicator via a positive displacement pump, and powders are delivered in alternating cycles via a Uni-Spense[®] Dry Ingredient Distributor. Cycle times vary depending on product type and the number of ingredients added.

Precise control of the batch size, and delivery of the liquid and powder, maintains consistency of the finished coated product.

Standard Features

- Uni-Spense[®] feeder for dry powder addition
- Solution system for liquid addition with 40 qt. stock pot
- 9 cu. ft. capacity holding hopper
- 23 inch rotor

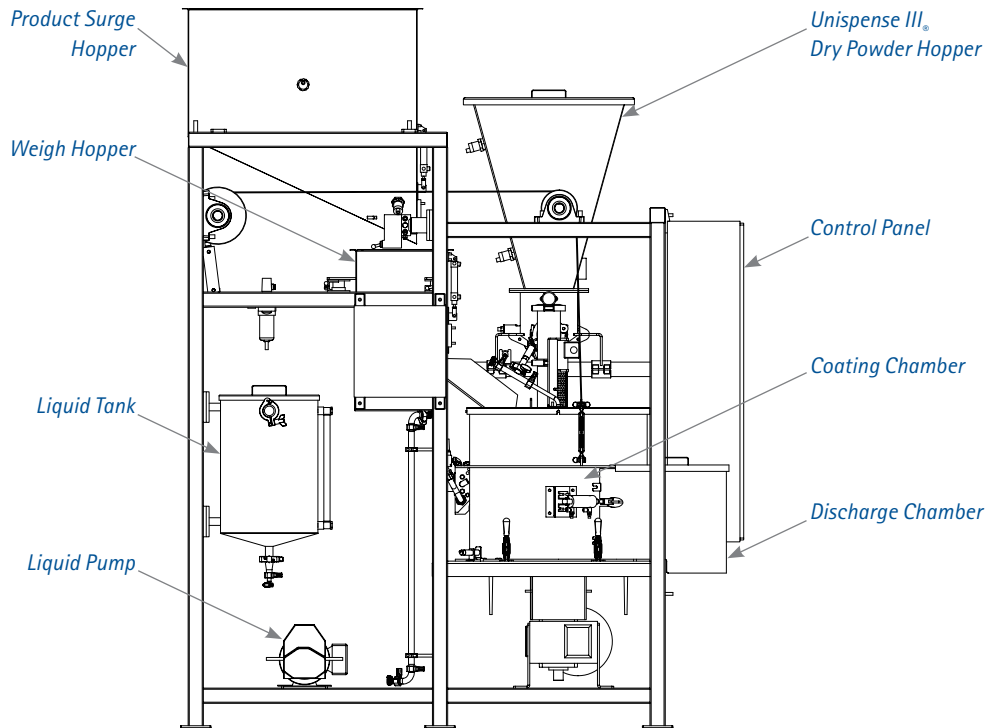
Options

- Extra Uni-Spense[®] feeders for addition of multiple powders
- Extra solution systems for addition of multiple liquids
- Electrically heated solution system
- High level and low level switches on holding hopper and solution reservoir
- 30 inch rotor system (12 cu. ft. capacity holding hopper)
- Dual 23 inch rotor system
- Dual 30 inch rotor system



Dough-coated peanut cut away to show coating detail.

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Batch Volume

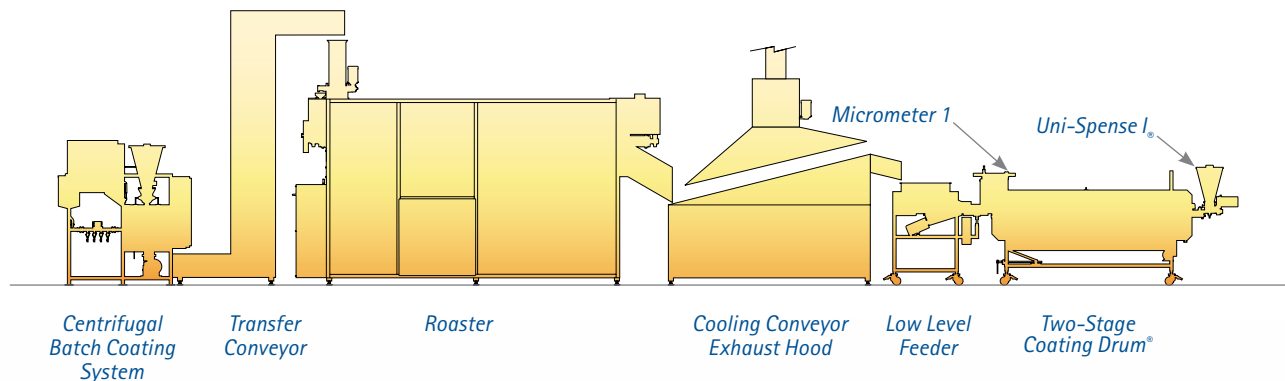
- 23" single – max 1.2 cu. ft. base product
- 23" dual – max 2.4 cu. ft. base product
- 30" single – max 2.5 cu. ft. base product
- 30" dual – max 5.0 cu. ft. base product

Finished product capacity varies and depends upon process and product.

Utilities

	Electrical	Compressed Air
23" single system	40 amps at 230V/3ph/60 Hz	3-5 scfm at 90 psi
23" dual system	80 amps at 230V/3ph/60 Hz	6-10 scfm at 90 psi
30" single system	60 amps at 230V/3ph/60Hz	3-5 scfm at 90 psi
30" dual system	120 amps at 230V/3ph/60Hz	6-10 scfm at 90 psi

Constant improvement and engineering innovations mean these specifications may change without notice.



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