



Spray Drying

CAPABILITIES

MARTECH RESEARCH is one of the few companies in the US offering full-service capabilities in the development of new products for spray drying.

Our experienced team of scientists determine the parameters, particle size and texture in gram quantities beginning at the bench scale level. The process is then scaled-up for pilot scale mid-sized runs, followed by full-scale production.

- Our Bench Scale Unit is a Buchii Spray Dryer with a 300 gram per hour water evaporation rate.
- Our Pilot Scale Spray Dryer is a rotary atomized 2-meter spray dryer. It has a water evaporation rate of 150 pounds per hour. Full CIP system included.
- Our Large Scale Dryer is a rotary atomized 4-meter spray dryer with a water evaporation rate of 750 pounds per hour. Fluidized bed dryer as a second stage CIP included.

PROCESSING CAPABILITIES

PRE + POST PRODUCTION

Fermentation and liquid processing as pre-production needs require.

Multiple 10,000 gallon holding tanks for storage of feed stock to supply spray dryers.

Equipped with ribbon blenders, powder tumblers and post sifting for all powder production.

Able to bag finished product in blue heat sealed bags available in several weight sizes.



Food Safety

CERTIFICATED

AA RATING

