

# AGGLOMERATION

## ★ CONVENIENCE

Experience the exceptional convenience that SensoryEffects' agglomeration technology provides. When working with us you will find our unparalleled processes will save you time and money. Formulation and process development are combined to maximize efficiencies and performance. We manage all aspects of the integrated supply chain from spray drying to blending and agglomeration. Additional benefits include:

- Dedicated resources improve speed to market
- Detailed particle and performance analysis
- Diverse manufacturing and ingredient base
- Proven track record of technical solutions

## 🔍 LEADING TECHNICAL EXPERTISE

Our experienced technical team has a deep understanding of particle science and technologies that increase the performance and functionality of your products. As a result, we are able to act as a collaborative extension of your Research and Development team. Our experts in the field of agglomeration technology and particle analysis develop customized processes and products. Our laboratories are equipped for detailed particle and performance analysis, specializing in:

- Particle size & porosity
- Surface area, charge and composition
- Dispersion and dissolution
- Emulsion stability

## 🔧 STATE OF THE ART TECHNOLOGY

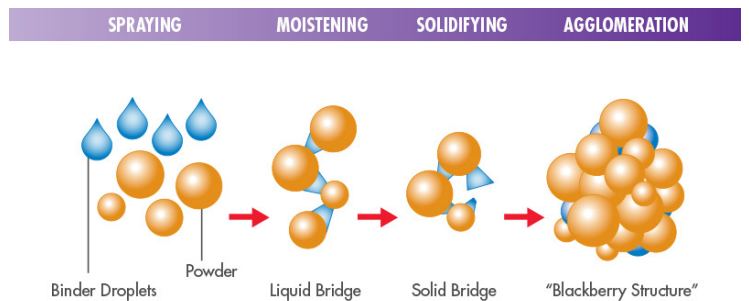
Our state of the art agglomeration technology further diversifies our powder manufacturing capabilities and enhances our synergistic product offerings, resulting in unmatched, broader service offerings for you including:

- Efficient and high quality production
- Milling and particle screening
- Control of key physical properties
  - Particle Size & Porosity
  - Density & Flow
  - Moisture & Water Activity
  - Surface Area & Chemistry

We offer a wide range of options to choose from including fully formulated systems, co-manufactured systems, and single instantized ingredients which deliver the following:

- Improved dispersion and dissolution
- Increased filling efficiencies
- Reduced dusting and controlled flow

## THE PROCESS OF AGGLOMERATION



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## APPLICATIONS

Convenience and Health & Wellness Markets continue to drive the need for efficient and technically advanced agglomeration. Our full service capabilities allow us to provide application development for a variety of delivery systems including high performing single serve dispersion and multi-serve systems.

- Single Serve Application Development:
  - Pouch
  - Stick pack
  - Pod / Disk
  - Cup
- Multi Serve Application Development:
  - Canister
  - Bag/Bag-in-Box for food service dispensers

## INGREDIENTS

Our capabilities also allow us to instantiate a wide variety of high volume, bulk ingredients including:

- Cocos, Coffees & Teas
- Fruits & Vegetables
- Proteins
- Hydrocolloids
- Starches
- Carbohydrates
- Other

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### Density Surface Area

### Particle Shape

### Solubility

### Porosity

### Particle Distribution

### Formulation

### Surface Treatment

### Encapsulation

### Instantization

### Agglomeration