Ab E MANUFACTURING

Ab E Manufacturing
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Continuous Fluid-Bed Processing at Commercial Scale

Ab E Manufacturing specializes in continuous fluid-bed processing, with expertise in instantization through agglomeration, granulation, and functional coating. Based in Waterloo, Wisconsin, we provide specialty toll and contract manufacturing services for a wide range of products, including food, animal nutrition, pharmaceutical, agricultural, and chemical applications.



Glatt GFG/C 350 at the plant

STATUS	FDA Registered · cGMP Compliant · USDA Inspected
CERTIFICATIONS	SQF Certified (GFSI-recognized) · Kosher Certified · Halal Certified · Organic Certified

CORE PROCESSING CAPABILITIES

Instantization & Agglomeration

Continuous fluid-bed agglomeration combines fine particles into larger, porous structures. For suitable materials, this can improve wettability, dispersibility, flowability, and handling characteristics, with a dustless or reduced-dust finished powder.

Granulation

Fluid-bed granulation produces dustless or reduced-dust particles with targeted size and physical characteristics, supporting clean material handling, consistent dosing, and downstream processing requirements.

Functional Coating & Encapsulation

Functional coatings modify particle surfaces to provide protection, improve stability, or influence release behavior, depending on material properties and formulation requirements.

Low-Temperature Processing Advantages

Controlled fluid-bed processing can maintain relatively low product temperatures during drying. For suitable heat-sensitive materials, appropriately managed processing conditions may help preserve bioactive compounds and retain functional properties in the finished product.

EQUIPMENT DATA

COMMERCIAL LINE	Glatt GFG/C 350
PROCESSING	Continuous fluid-bed agglomeration, granulation, and functional coating
FACILITY	25,000-square-foot manufacturing facility on a 15-acre site
LOCATION	Waterloo, Wisconsin

SUPPORTING EQUIPMENT

Pilot-Scale Processing

Our Glatt ProCell + Vario 3 and two LPG-10L pilot spray dryers support process evaluation, feasibility testing, and validation prior to commercial production.

Complementary Pasteurization

Our custom Sanovo pasteurizer supports applicable food and animal nutrition processing requirements as part of our broader manufacturing operations.

Let's Discuss Your Manufacturing Needs

Contact info@abemanufacturing.com to explore your processing requirements.