



A Division of  **Spraying Systems Co.**

Solid Dosage Process Equipment Specializing in: Fluid Bed, High Shear Granulation and Milling Systems

Benefits

- Innovative Designs
- Customized to fit your process
- Easier scale up

Products and Services

- The right combination of science and technology to Dry, Granulate, Mix, Coat, or Mill
- Available in Production Scale, Pilot Scale, and Laboratory Scale Equipment
- Fluid Bed Processors for drying, granulating, top spray coating and bottom spray Wurster coating of powders, granules, beads and tablets
- Size Reduction Systems for wet or dry milling
- High Shear Mixers for the pharmaceutical, biochemical, chemical, food and dairy industry
- Engineering Services include project, field and process engineering

Typical Applications

Fluid Bed Drying
High Shear Granulation
Wurster Coating
Wet or Dry Milling
Vacuum Loading
Mixing



Magnaflow®
Fluid Bed Systems



PharmX®
High Shear Granulation Systems



Granumill®
Size Reduction Systems

Fluid Bed Drying, Granulating, Coating

- Eliminate dead spots when drying/granulating
- Eliminate uneven fluidization when coating (Wurster process)
- Eliminate product build up on chamber walls - 3 filter options
- Maximize product yields
- Minimize process times
- Automate process end points
- Contain product
- Simplify scale up
- Easily clean



High Shear Mixers/Granulators

- Maximize working capacity
- Mix, wet and granulate powders
- Variable speed operation of impeller and chopper
- Jacketed bowls provide uniform heating and cooling of bowl
- Automate end points using power or torque
- Simplify scale up
- Easily clean



Size Reduction Systems

- Deagglomerate or grind powders
- Total product containment
- Maximize throughputs
- Minimize fines
- Automate process
- Minimize operating/product temperature
- Simplify scale up
- Easily clean



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Spray
Nozzles



Spray
Control



Spray
Analysis



Spray
Fabrication