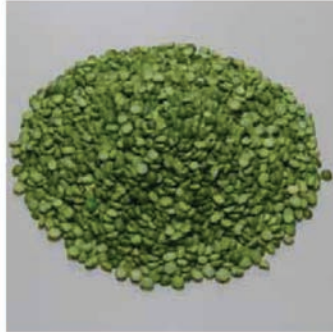


FLUID BED DRYING TECHNOLOGY

Engineering @ Manufacturing @ Installation



PROCESSING A VARIETY OF MATERIALS IN AN ECO-FRIENDLY WAY



FROM CONCEPT TO COMPLETION, OUR FLUID BED TECHNOLOGY GROUP IS HERE TO HELP YOU WITH ENGINEERING

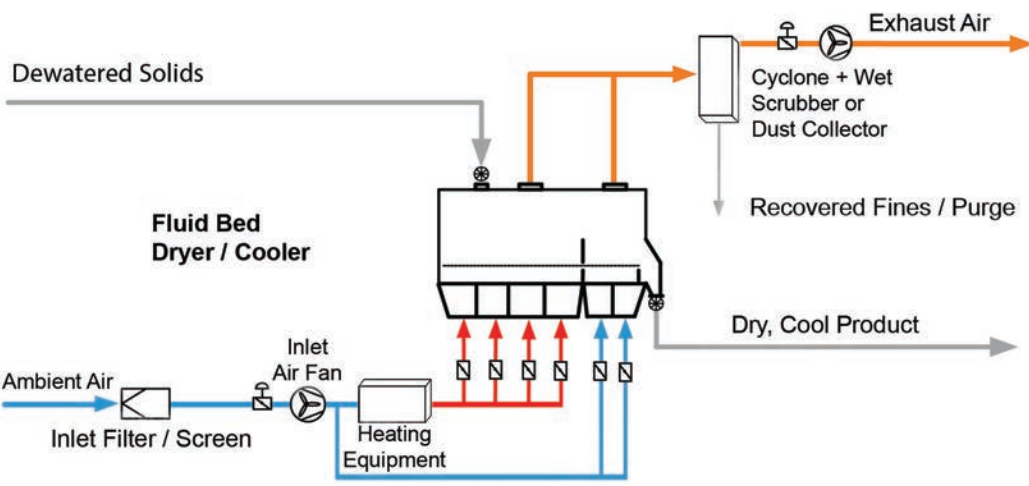
Fluid Bed Drying Technology Applications:

- 🌀 Drying
- 🌀 Removal of Surface and/or Internal Moisture
- 🌀 Cooling
- 🌀 Conditioning
- 🌀 Classifying
- 🌀 Solvent Removal & Recovery
- 🌀 Retrofitting/Revamping and Optimization of Existing Systems
- 🌀 Other Mechanical, Thermal, Evaporative & Reactive Processes

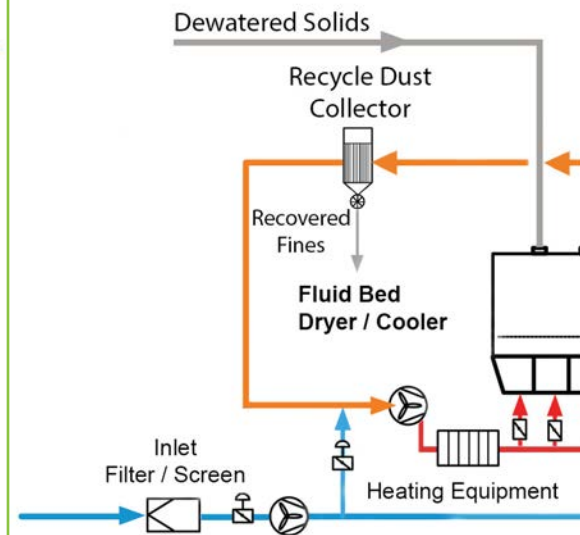
Benefits of Fluid Bed Technology:

- 🌀 Reduced Energy & Utilities Consumption
- 🌀 Homogeneous Treatment of Solids
- 🌀 Improved End Product Quality and Consistency
- 🌀 Can Combine Drying/Cooling and/or Conditioning Steps in One Unit
- 🌀 Can Be Conducted in an Inert Atmosphere
- 🌀 Minimized Footprint for Installation
- 🌀 Minimal Internal Moving Parts

OPEN LOOP DRYING

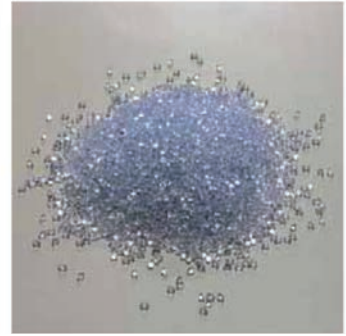
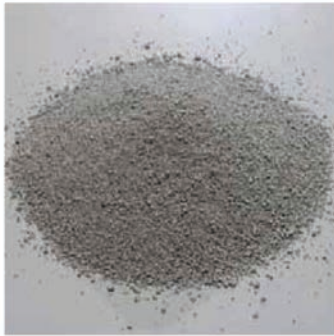


PARTIALLY CLOSED



- ☉ Salts & Crystalline Materials
- ☉ Coal
- ☉ Mining Materials
- ☉ Municipal / Industrial Biosolids

- ☉ Plastics
- ☉ Fertilizers
- ☉ Food Products
- ☉ Other Granular Products



ERING SUPPORT, EQUIPMENT, AND PROJECT EXECUTION SERVICES TO ENSURE YOUR PROJECT'S SUCCESS.

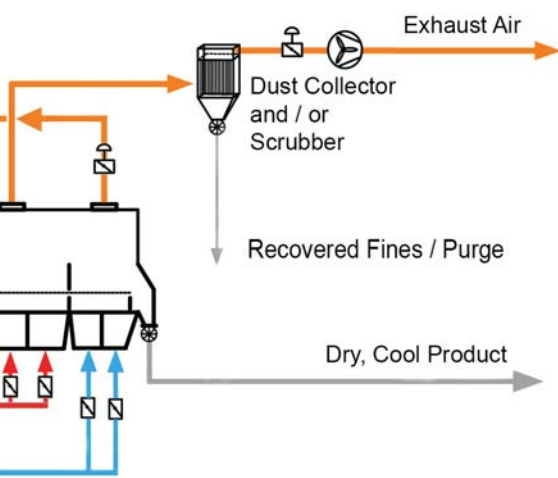
Configurations

- ☉ Direct and Indirect Heating
- ☉ Inclusion of Heating/Cooling Surfaces within the Fluidized Layer
- ☉ Combined Processing Steps with Multi-Zone, Multi-Stage, Integrated Options
- ☉ Other Special Features Such as Adjustable Layer Height, CIP Adaptions, Special Clean Outs and Washing Drains
- ☉ Batch and Continuous Mode Processing
- ☉ Closed, Open, and Partially-Closed Loop Configurations Available

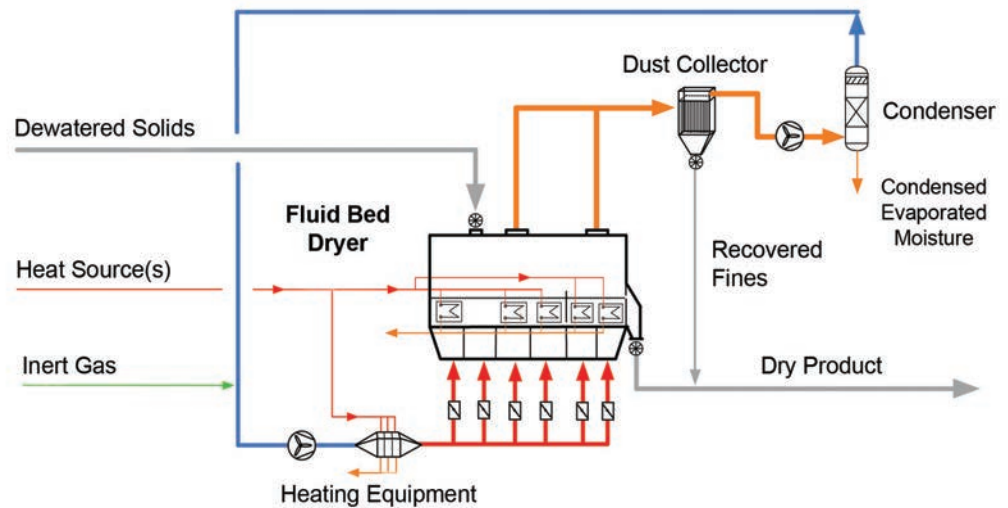
Environmentally Friendly

- ☉ Dust-tight Construction
- ☉ High Thermal Energy Efficiency
- ☉ Low Offgas Volume
- ☉ Make Use of Waste and Other Secondary Energy Sources

LOOP PROCESSING



CLOSED LOOP PROCESSING

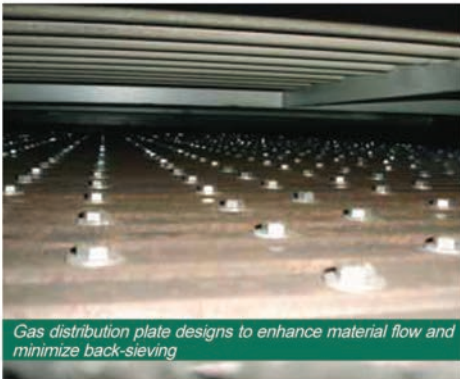


CONFIGURATIONS FOR MINIMIZING ENERGY USAGE, WHILE ACHIEVING YOUR PRODUCTION GOALS



FLUID BED DRYING TECHNOLOGY

Engineering • Manufacturing • Installation
Process Improvement & Development



Gas distribution plate designs to enhance material flow and minimize back-sieving



Adjustable bed level and underflow gate



Quick opening inspection and access doors



A variety of surface finishes are available



External reinforcement suited to the operating pressure range



In-duct venturis for continuous flow measurement and control

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