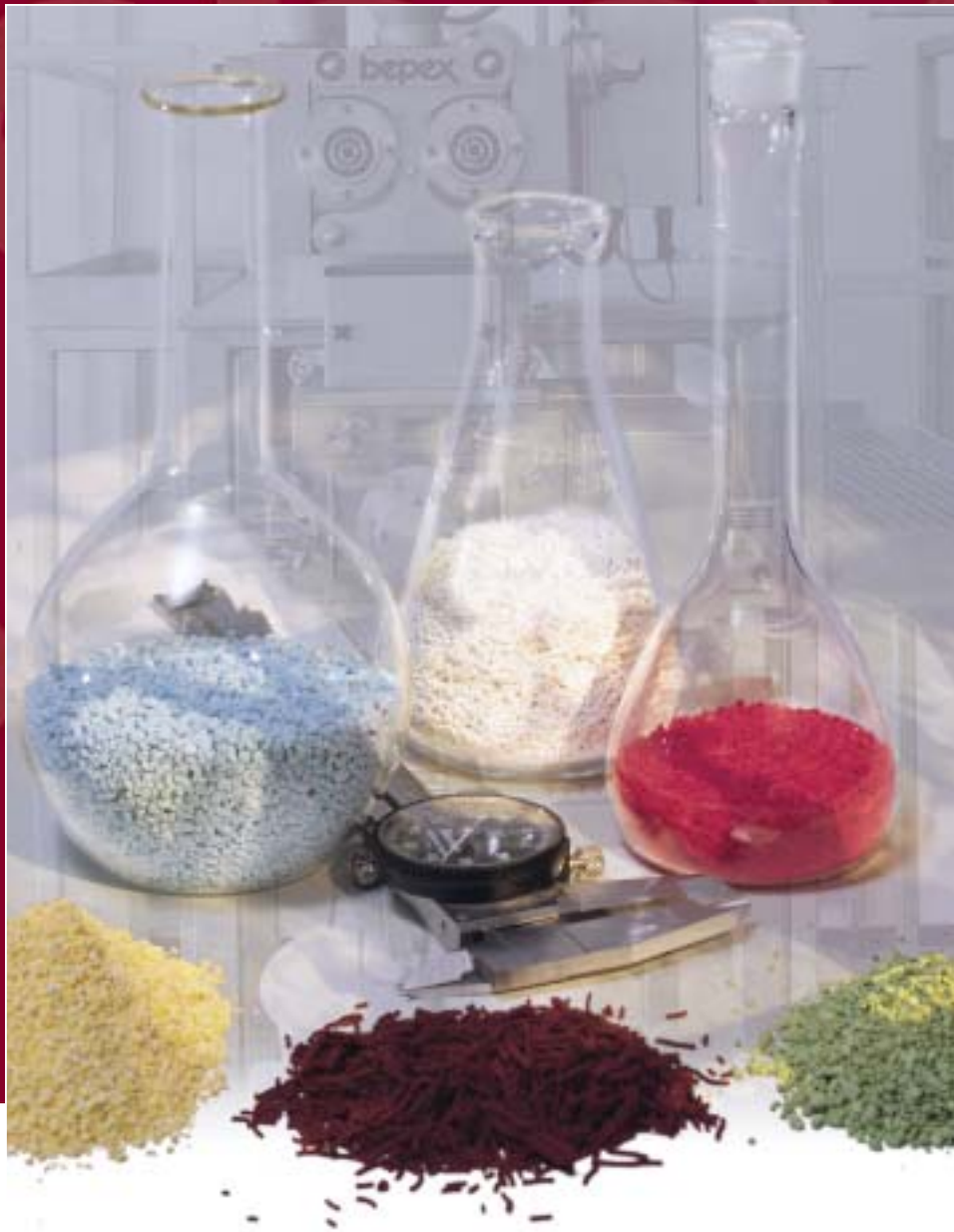


# INNOVATIVE SOLUTIONS



# Bepex

Particle Processing Technology

# Agglomeration

Tough agglomeration applications are no problem for Bepex. We address your need for particle integrity, dispersibility, accuracy and capacity with a complete line of innovative process systems.

## SCHUGI® Flex-O-Mix™ Mixer/Agglomerator

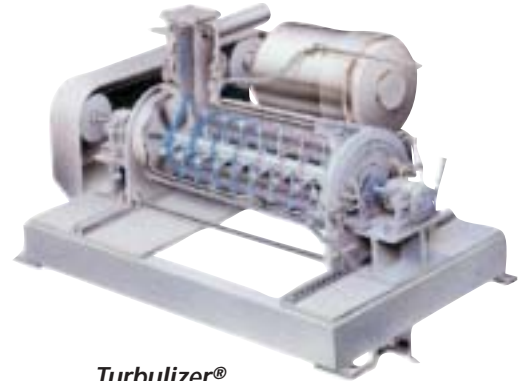
Intensively combines atomized liquids with powders to produce soluble granules. Vertical mixing chamber and self-cleaning housing prevent build-up.

## TURBULIZER® Mixer/Coater

Horizontal orientation allows for longer retention, thus larger particles with a higher density are formed. Granules as large as 3mm are possible.

## EXTRUD-O-MIX® Mixer/Extruder

Mix multiple solid and liquid streams and form pellets that are resistant to breakdown. Mixing is controlled by intermediate orifice plates and screw shaft configuration.



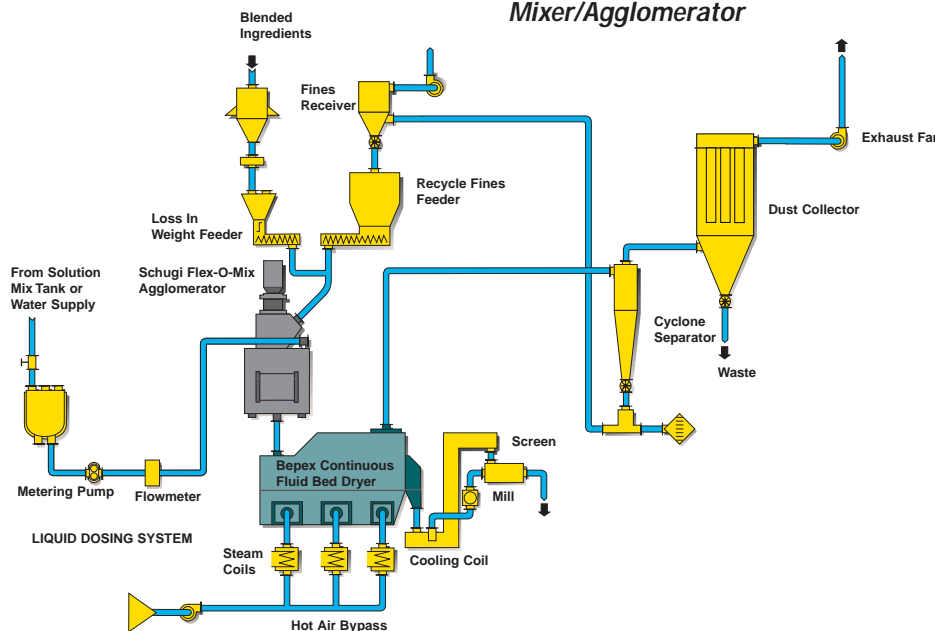
*Turbulizer®  
Mixer/Coater*



*Schugi®  
Flex-O-Mix™  
Mixer/Agglomerator*

### Typical Applications

- Detergents
- Instant Drink Mixes
- Corn Masa
- Yeast
- Soaps
- Dry Soup Mixes
- Agricultural Chemicals
- Pharmaceuticals
- Powder Coating
- Milk Powders
- Ceramics
- Cellulose
- Water Soluble Polymers
- Food Dyes
- Gelatins
- Gypsum
- Animal Feed Supplements
- Starches
- Sugar Pre-Mixes
- Candy
- Talc
- Bakery Mixes

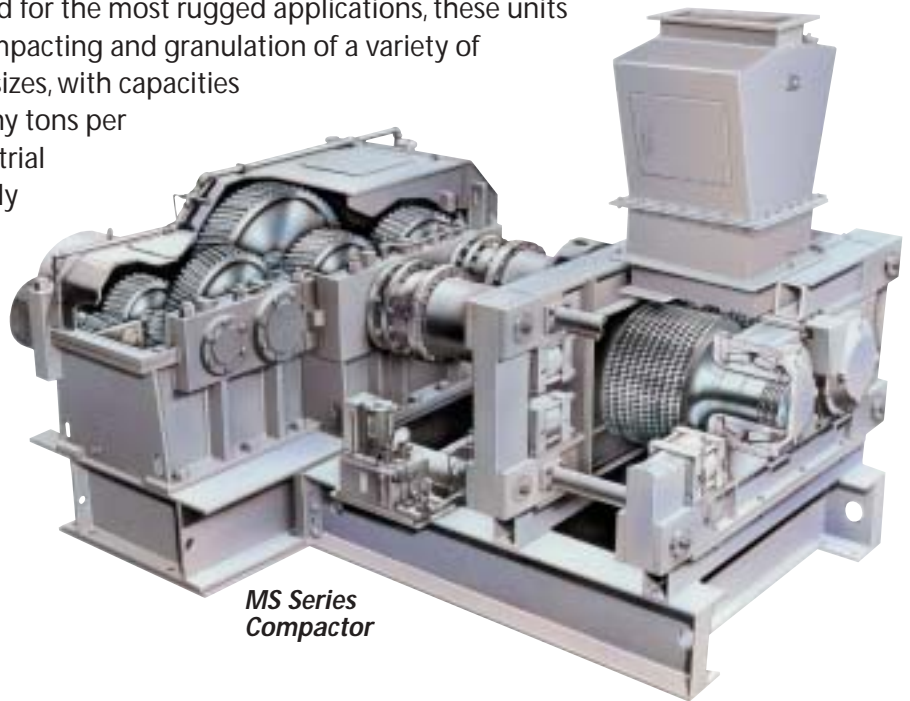


*Typical "Wet" Agglomeration System*

# Compaction

**Briquetting, compaction and granulation really abuse equipment, that's why Bepex is the best name to turn to. Our designs stress longevity, performance and easy maintenance. Want proof? Ask to see a list of the systems we have operating around the world.**

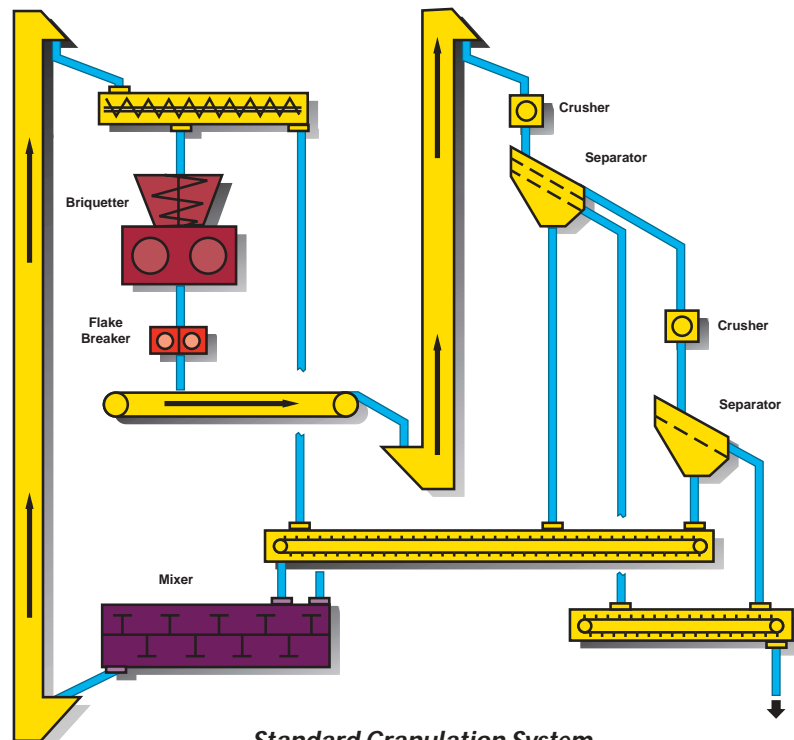
**MS Series Briquetters/Compactors** — The versatile, heavy-duty workhorse of the Bepex line. Designed for the most rugged applications, these units can be configured for briquetting, compacting and granulation of a variety of products. Offered in a wide range of sizes, with capacities ranging from pounds per hour to many tons per hour. Construction ranges from industrial grade for minerals processing, to highly polished exotic metals for food or fine chemical processing. The same degree of robust design is employed regardless of the application.



*MS Series Compactor*

## Typical Applications

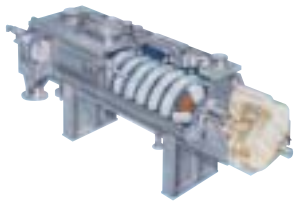
Salts  
Pigments  
Phosphates  
Silica  
Bromine  
Copper Concentrate  
Clays  
Feed Supplements  
Polymers  
Chlorine  
Charcoal  
Polymer Additives  
Ceramics  
Coal  
Fertilizers  
Gypsum  
Refractory Materials  
Toner  
Food Ingredients  
Sweeteners



*Standard Granulation System*

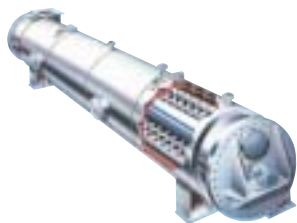
# Thermal Reaction/Drying

We realize that your thermal drying requirements don't always fit into a single process technology. At Bepex, we offer a wide range of thermal process systems engineered to your exact application.



## TORUSDISC® Dryer/Cooler

Continuous thermal system that combines high heat transfer rates with extended residence times. Gently processes powders, pellets, cakes and slurries without build-up of sticky materials. Single or dual rotor designs available.



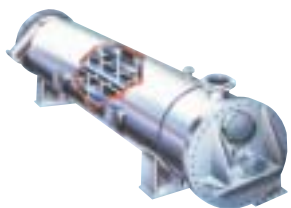
## SOLIDAIRE® Dryer/Cooler

Processes solids, slurries and gels in a variety of heating, cooling and drying applications. Combines turbulent agitation with ability to process even heat sensitive materials in short to medium residence times.



## THERMASCREW® Dryer/Cooler

A hollow screw, jacketed trough dryer / cooler with 3 to 4 times more heat transfer area than simple jacketed screw conveyors. Twin-screw design provides excellent back-mixing and recycle rates for sticky products.



## CONTINUATOR® Dryer/Reactor

Efficient choice for processing products requiring extended residence times coupled with low thermal input. Normally used downstream of a Torusdisc® or Solidaire® as a second-stage dryer / reactor.



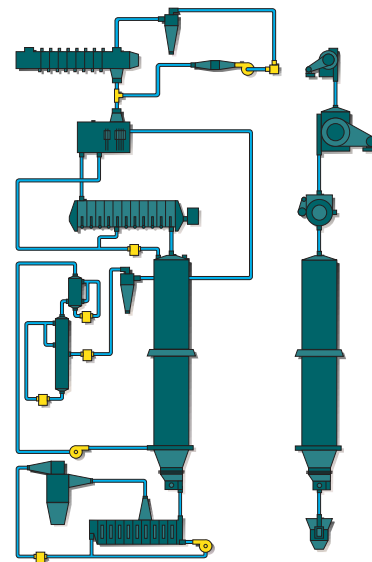
## Fluid Beds

Available for batch or continuous drying / cooling of a wide range of foods, chemicals and polymers. Bepex fluid bed designs allow for very accurate scale-up and accommodate many difficult-to-handle materials.



## Purge Vessel/Mechanical Discharge

Vertical or horizontal models allow for continuous plug flow and residence times up to 35 hours. Bepex discharge technology creates an even mass flow where bridging or sintering is a concern.



*Typical SSP Process*

## Typical Applications

Polymer Crystallization  
Artificial Sweeteners  
Meat & Plant Proteins  
Seasonings  
Tobacco  
Polymer Drying/  
Desolventization  
Polymer Reactions  
Minerals  
Agricultural Chemicals  
Organic Acids  
Cellulose  
Amino Acids  
ABS, PVC, PET,  
PP, PE, etc.  
Coffee  
Starch  
Vitamins  
Calcining

# Premier Aftermarket Service

Nothing is more critical to aftermarket service than communication. That's why every one of our departments is structured to work seamlessly with each other, providing our customers with a focused approach to system optimization.

## SPARE PARTS

- Rietz, Komarek-Greaves, Strong Scott, Schugi, Bepex
- OEM Part Replacement Orders
- 24 Hour Delivery Of Stock Items
- Blanket Parts Orders

## MECHANICAL FIELD SERVICE

- Mechanical Start-Up
- Mechanical Repair
- Mechanical Inspections/Evaluations
- Maintenance Seminars
- Safety Inspections

## REBUILDS

- In-House Factory Repair
- Machine Refinishing
- Recondition Machines to Original Factory Specifications

## PROCESS TECHNOLOGY

- System Optimization
- System Upgrades
- Technical Seminars
- Installation Consultation
- Process Troubleshooting

Phone: 1-800-372-3739



# Other Bepex Services:



## PROCESS DEVELOPMENT

Using our state-of-the-art pilot plants, we can work with you to develop the necessary process steps to deliver a product that meets your final specifications. We start with bench-scale analysis and move to small processing systems.



## CUSTOM PROCESSING

We will work with you to deliver the necessary quantities of materials to allow you to conduct market studies or to meet your customers' requirements.



## ENGINEERING SERVICES

We can take the data generated from our pilot plant and determine the optimum process to meet your final goals. Our engineers will work with you to establish process flows, equipment specifications and system layouts.



## PROCESS OPTIMIZATION

Skilled process engineers will visit your facility and make an in-depth study of your solids processing system. In conjunction with our application and processing engineers, we will make recommendations for achieving maximum performance from your system.



## MECHANICAL FIELD SERVICE

Our field service engineers will work with your personnel to bring your equipment up to original factory specifications.



### Bepex International LLC

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e-mail: [info@bepex.com](mailto:info@bepex.com) • [www.bepex.com](http://www.bepex.com)

*Combining the resources of:*



Some equipment may be shown without guards for illustrative purposes. Guards are supplied and must be in place for safe operation.