B&P PROCESS EQUIPMENT

Today's manufacturing demands solutions focused on your business, process, and market needs. B&P Process doesn't just make the industry's most rugged large-scale mixing and separation machinery – we deliver systems that meet the parameters of your applications.

Key markets we serve include:

- Plastics
- Energetics
- Fine & Bulk Chemicals
- Pharmaceuticals
- Consumer Products
- Powder Coating

With a B&P Process mixing or separation system, you get tremendous competitive advantages, including:

- Minimal downstream processing and/or waste disposal needs.
- Increased uptime
- Flexibility to meet your processing demands
- Expertise to solve/address a wide range of process, business, and materials demands.

Over a century of mixing and separation processing power

The hallmark of the B&P name is core expertise in the design, manufacture, and delivery of large-scale mixing and separation systems that meet the industry's most rigorous demands. For over 100 years, that's been our focus.

B&P Process Equipment traces its heritage to the 1889 founding of Baker Perkins – a leader in batch mixers and other specialized industrial equipment. In 1937, Baker Perkins began production of pusher centrifuges, for separation of coarse solids from free-draining crystalline slurries. This design was quickly recognized by the industry as the optimal configuration for efficiency and a long operating life.

Since those early days, B&P has continued to add to its line of batch and continuous mixing systems, as well as separation systems in a wide range of configurations. We continue to develop innovations and add to our product capabilities.

B&P PROCESS EQUIPMENT

Strong Innovation • Strong Value • Strong Choice

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Mixing and Separation Solutions

Ko-Kneader Extruders/Mixers

Batch Mixers

Twin Screw Continuous Extruders

Pusher Centrifuge Systems

Dewatering Centrifuge Systems

Podbielniak® (Pods) Centrifugal Contactors

B&P PROCESS EQUIPMENT

Strong Innovation • Strong Value • Strong Choice

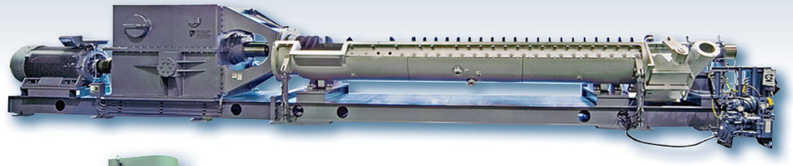
STRONG
INNOVATION • VALUE • CHOICE

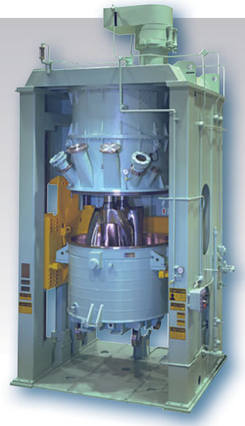
At B&P Process we put over a century of experience developing rugged, reliable large-scale industrial machinery to work for you. Our full line of mixing and separation systems can address almost any processing challenge.

B&P PROCESS EQUIPMENT

Ko-Kneader Extruders/Mixers

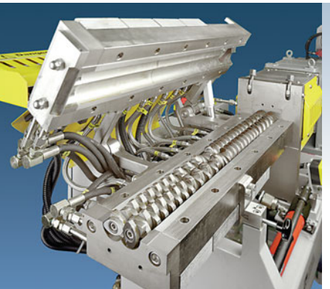
For heat- and shear-sensitive materials





Batch Mixers

A full range of vertical and horizontal batch mixers for the most challenging applications



Twin Screw Continuous Extruders

For a broad range of mixing/extrusion applications

● Optimum ○ Optional

MIXING SYSTEMS				
Throughput Kg/hr	**Ko-Kneaders**	**Batch Mixers**	**Vertical Mixers**	**Twin Screw Extruders**
• 0.5 – 20	●	●	●	●
• 20 – 50	●	●	●	●
• 50 – 100	●	●	●	●
• 100 – 500	●	●	●	●
• 500 – 1000+	●	○	○	●
Material Type				
• plastic/rubber	●	●	○	●
• bulk chemical	●	●	○	●
• pigments	●	●		●
• fibrous	●	●		○
• energetics		○	●	○
• pharmaceuticals	○	●		●
• eco-materials	●	●		○
Mixing Action				
• high shear/high power		●	○	●
• high shear/low power		●	○	●
• low shear/high power	●	●	●	
• low shear/low power	●	●	●	
Specialty Materials*	○	○	○	○

SEPARATION SYSTEMS				
Liters per minute	**Pusher Centrifuge**	**Dewatering Centrifuge**	**Pods**	
• 0.5 – 20			●	
• 20 – 50	○	●	●	
• 50 – 100	●	●	●	
• 100 – 500	●	●	●	
• 500 - 1000+	●	●	●	
Materials				
• liquids	●	○	●	
• crystal – soluble		○	●	
• crystal – insoluble	●	○		
• solids		●		
Density/Size				
• 0.01 – 2 microns			●	
• 2 – 100 microns	●	○	○	
• 400 – 2,000 microns	●	●		
G – Force				
• 200 x G	●	●	●	
• 500 x G	●	●	●	
• 1,000 x G		●	●	
• 5,000 x G or more		○	●	
	○	○	○	

*B&P Process systems are available in a wide range of metallurgies and with a full spectrum of specialized coatings to meet the demands of your specific process materials. Our applications team can work with you to determine the configuration and method of fabrication that's best for your needs.

Pusher Centrifuge Systems

For productive separation of coarse solids from free-draining crystalline slurries

Dewatering Centrifuge Systems

For efficient liquid/solid separation in applications such as wastewater treatment, ethanol manufacture, and other processes that benefit from an extremely dry cake

For cost-effective liquid/liquid extraction, separation, and washing