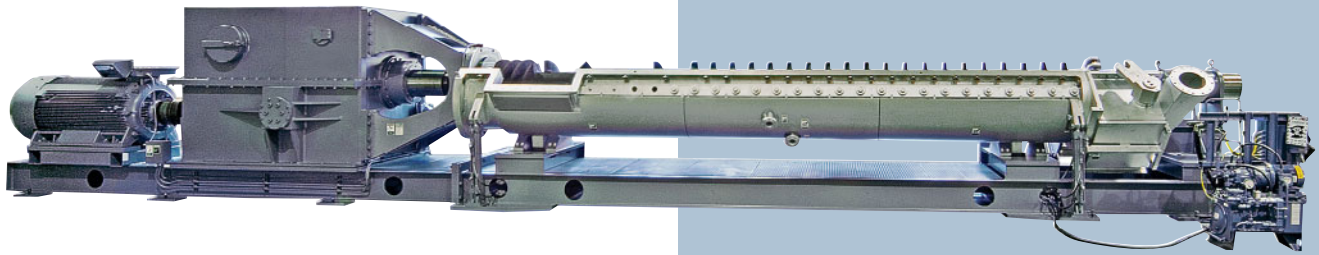


**KO-KNEADER™ TECHNOLOGY – THE STRONG CHOICE.**



## B&P Ko-Kneader™ for Anode Paste Mixing

The B&P Ko-Kneaders are ideal for anode paste mixing applications. The rugged design, coupled with easy access for maintenance, maximize throughput and minimize downtime.

### Industry-Leading Efficiency

A B&P Process Ko-Kneader is your most cost-effective solution for anode paste production. No competitive system features the efficiency or throughput of a Ko-Kneader. With the highest production output and lowest anode consumption, B&P sets the standard.

### Rugged, Reliable Design

The Ko-Kneader is a rotating and reciprocating single-screw mixer wherein the flights on the screw interact with three rows of stationary kneading teeth. The interaction between the moving flights and the stationary teeth provide dispersive and distributive mixing simultaneously. The result is a homogeneous mixture, with optimum mixing and dispersion.

### Minimized Maintenance Costs

With segmented systems designed for easy access, operators can handle maintenance and repair situations with minimal tear-down required. When components require replacing or rebuilding, only the worn part needs to be replaced. This minimizes downtime and spare parts costs.

## Features

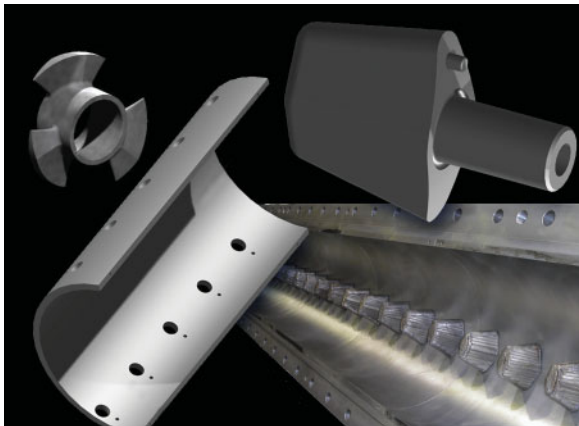
- Less than 400 kg of carbon anode consumption per ton of aluminum
- Maintenance-free main AC motor and variable frequency drive for reduced operating cost and improved uptime
- Segmented wear components made of abrasion-resistant precision castings reduce initial investment and maintenance costs
- Automatic discharge gate logic enables mechanical energy set-point to be maintained despite non-homogenous feed streams.
- Intensive mixing process with minimal grain breakage
- Optimum residence time and axial back-mixing
- Packages available to include coke preheater and paste cooler



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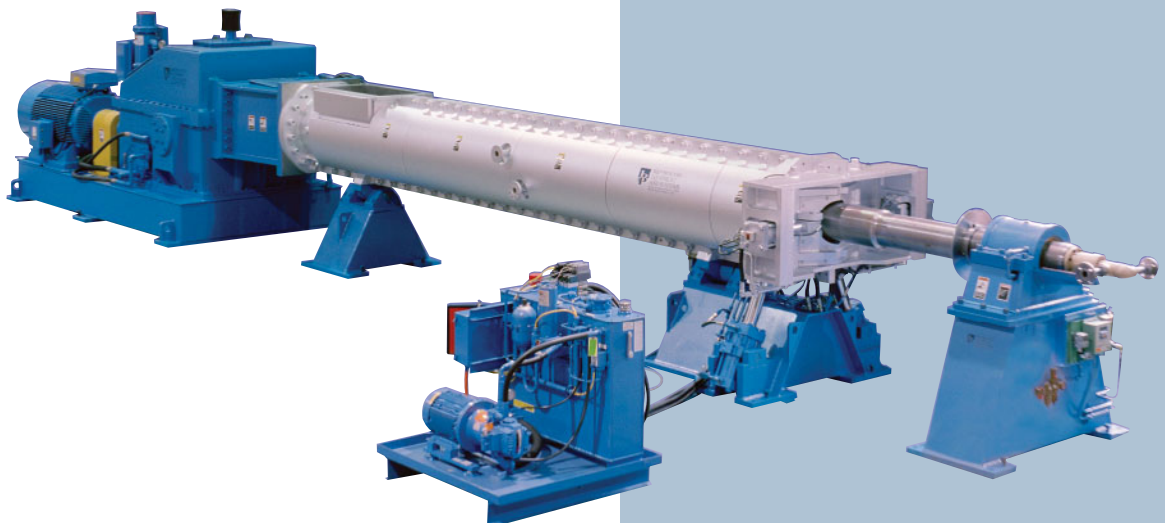
B&P CK-CP Continuous Kneader Systems			
B&P Model	Capacity (MT/h)		POWER *
			(kW)
	Minimum	Maximum	Maximum
CK-400-CP	5	15	150
CK-500-CP	15	35	350
CK-600-CP	25	50	500
CK-700-CP	35	75	750

\*Gearbox designed for up to a maximum of 1000 kW.



**Comprehensive Support for OEM and Non-OEM Systems**

- Global field service and support team
- Spare parts programs tailored to customer PM cycles
- Equipment refurbishment and plant modernization programs



B&P Process Equipment traces its heritage back to the 1886 opening of the Saginaw facility where they quickly became a leader in the manufacture of universal mixers and other specialized industrial equipment. In 1897, B&P shipped the first mixer used for Carbon Anode Paste production for the Aluminium Industry.

In 1947 B&P, then operating as Baker Perkins, began working with Dr. Heinz Liszt on the design of a new continuous mixing technology. B&P was licensed for manufacture and sale of the Ko-Kneader and the first production units were soon delivered to Alcan and Alcoa facilities across North America.

The Ko-Kneader 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. B&P Process Equipment faces the challenges of today through continuous improvement and innovation in partnership with their broad customer base.