

The B&P continuous kneader (CK Series) is a flexible solution for a wide range of compounding needs. This mixer is perfect for a variety of mixing and compounding operations. The system is a single rotating and reciprocating mixing screw which processes material between the moving flights on the screw and the stationary teeth in the barrel wall.

The CK Series features an excellent torque to free volume ratio which makes it ideal for thermally sensitive elastomeric adhesives and blowing agent formulations. The clamshell barrel design allows easy access for cleaning and inspection. The system is designed for lower power consumption with better quality finished product than twin-screw designs.

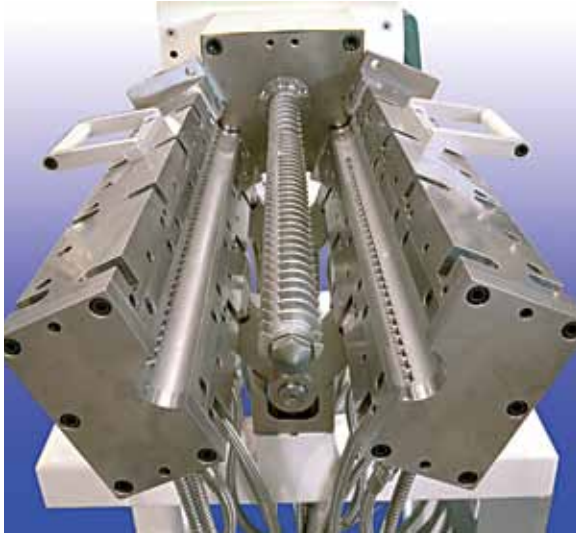
The CK Series are offered with various configurations that allow the machine to be converted from cascade discharge to direct-flanged cross-head execution—enabling extreme versatility for changing products. The CK-Series machines are available in 40, 60, 80, 110, 150, 220, 500, 600, 700, and 800mm standard sizes.

Features

- Highly automated for minimal operator intervention
- Flexible and versatile for use in a wide range of applications
- Reduced operating costs
- Easily and quickly cleaned for material changeovers
- No dead spots ensures homogeneous mix
- Virtually eliminates batch-to-batch variances
- Very low scrap rate
- Proven in installations worldwide.

Applications

- PVC wire and cable production; including pre-mixing, conveying, gravimetric feeding, compounding, and pelletizing/sheeting
- Powder coatings and toners
- EVA
- Color and Black masterbatches
- Bio- and natural-fiber based compounding
- Food and confectionery applications



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. In 1996, B&P Process Equipment was created from Baker Perkins and the APV Chemical division.

B&P CK Continuous Kneaders Production Rate (kg/hr)

	Type	40mm	60mm	80mm	110mm	150mm	220mm
FLEXIBLE PVC COMPOUNDS							
Cable Insulation Compounds	Cc	70-120	225-350	500-800	800-2000	1800-3500	5000-8000
Cable Sheathing Compounds	Cc	70-120	225-350	500-800	800-2000	1800-3500	5000-8000
RIGID PVC COMPOUNDS							
Blow Molding (Bottle) Compounds	Cc	55-110	100-200	250-450	600-1200	1500-3000	4000-9000
Calandar Film & Sheet	C/CcFC	NA	NA	200-400	600-1100	1500-2750	4000-8500
WIRE AND CABLE COMPOUNDS							
Halogen-free FR Compounds	XH	15-35	55-100	150-230	320-560	500-950	1300-2200
Semiconductive Compounds	GP	30-65	100-180	200-400	300-800	1000-1700	2400-3500
Peroxide XLPE Compounds	Cc	15-35	55-110	135-250	300-550	550-1000	1200-2100
Sioplas XLPE Compounds	Cc	45-75	125-240	300-575	800-1250	1250-1950	3000-4000
TPO, TPE, Specialty Compounds	XH	15-30	55-100	150-225	350-550	600-950	1200-2200

Type = Gear Pump Extrusion (GP), Crosshead Execution (XH), Calander Execution (C), Casdade Execution (Cc), Cascade+Filter+Calandar Execution (CcFC)