

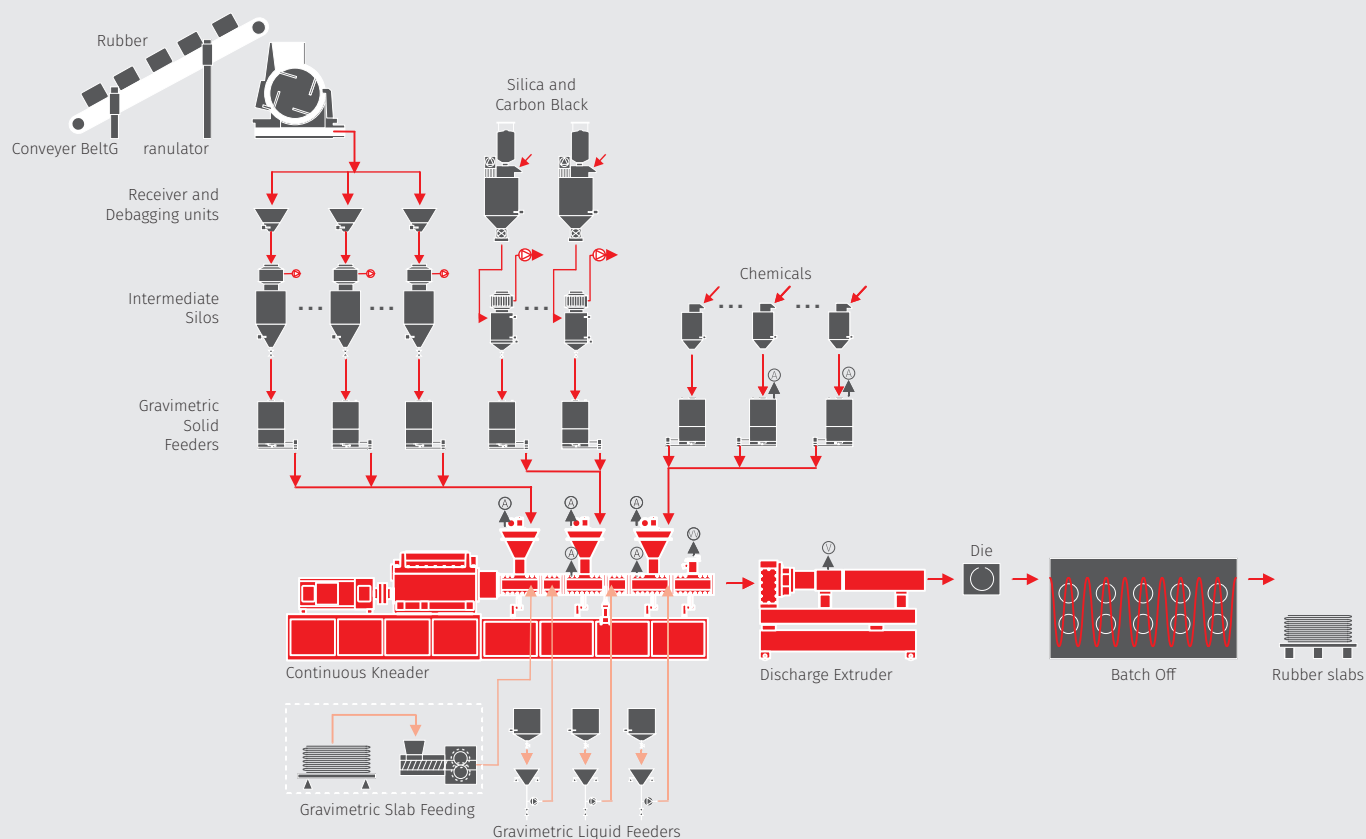
Application

Although batch processes for rubber compounding are well established, there is a trend to move to continuous compounding. The reasons for this trend are increasing narrow quality requirements, significantly simplified and automated processes resulting in lower manpower necessary and the possibility to achieve unprecedented degree of dispersion. Different process versions are available. A multi-step process can provide a very flexible solution for a broad range of products. A one step process provides a high degree of automatization and further simplification. Continuous Kneaders with their ability to provide excellent compounds using a very gentle process are ideal machines for this task.

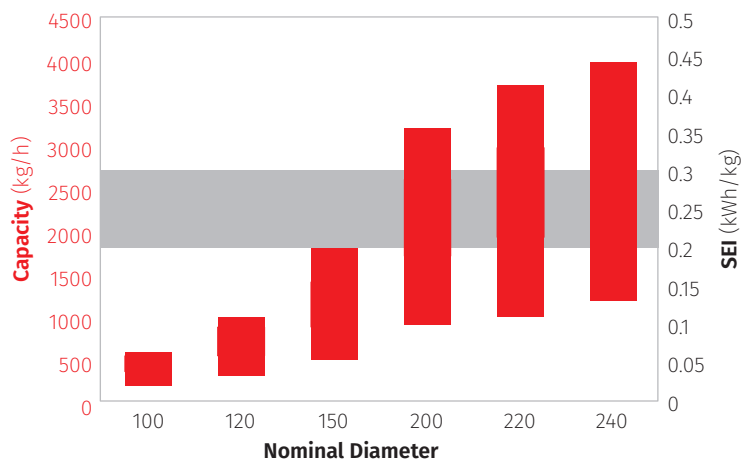
Benefits

- Modular setup for maximum flexibility
- Excellent self-cleaning
- Gentle and homogeneous shear forces to preserve the polymer structure
- Direct injection of liquids into the melt at various positions
- All surfaces in product contact are homogeneously liquid tempered
- Narrow residence time distribution avoids quality variations
- Adjustable shear rate levels at any place of the process section

Flow Sheet



Kneader Data



Kneader	Nominal Diameter	H (mm)	B (mm)	L (mm)	Throughput (kg/h)	SEI (kWh/kg)
CK 100	100	2.000	3.100	5.460	200 – 600	0.20 – 0.30
CK 120	120	2.300	3.400	6.292	300 – 1.000	0.20 – 0.30
CK 150	150	2.700	3.800	7.400	500 – 1.800	0.20 – 0.30
CK 200	200	3.000	4.700	8.640	900 - 3.200	0.20 – 0.30
CK 225	225	3.300	5.000	9.570	1.000 - 3.700	0.20 – 0.30
CK 240	240	3.500	5.300	10.160	1.200 - 4.000	0.20 – 0.30

The data provided in this document are for information purposes only.

Dimensions, throughputs and energy inputs are depending e.g. on raw materials, technical progress and may vary.