

SMART BK MILL

A Highly Versatile
Equipment



S System M Monitoring A And R Regulating T Technology

Smart BK Mill



Smart data

- Historical operation data display.
- Generate different graph trends for office,
- Data can be downloaded to PC for records and printing.
- Data collected can be used to evaluate and optimize the production process.



THE OPERATION:

The product after pre-mixing in the same jacketed tank is positioned at the main frame.

Adjust the thermometer to the maximum temperature allowed. Should the temperature exceed or reach the maximum, the motor will stop and the alarm will alert the operator. The equipment can be operated on the auto or manual basis from the HMI panel.

The basket is lowered into the tank just below the mill base (approximately 50mm from the surface), allowing the mill base to flow into the basket. And start operation at a low speed (about 100 rpm).

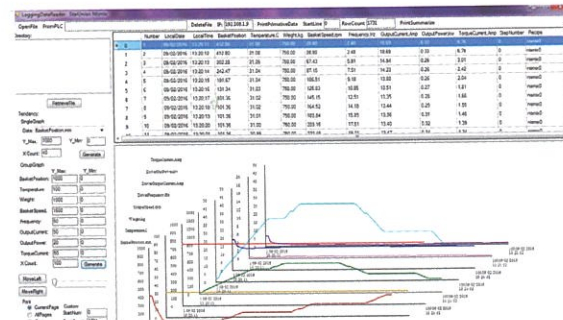
The paddle at the bottom of the basket starts rotating, pushing the mill base upward at the same time and causing the mill base to be sucked in from the top and out from the bottom.

Simultaneously the dispersing disc inside the basket rotate and agitate the grinding beads to create grinding effect on the mill base. Lower the basket gradually and increase the speed of the motor till a vortex is obtained. And stop the machine once required fineness is achieved.

Smart BK Mill with SCADA control.

Benefits:-

- Increase productivity.
- Increase reliability.
- Reduce maintenance cost.
- Reduce operation cost.
- Industry 4.0 ready.
- Optimization of energy usage.



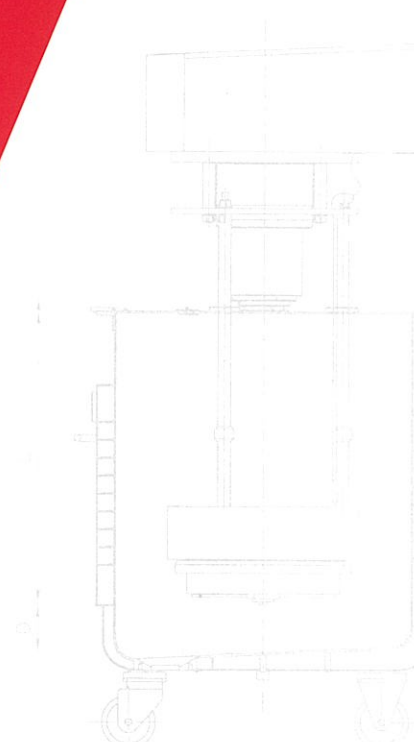
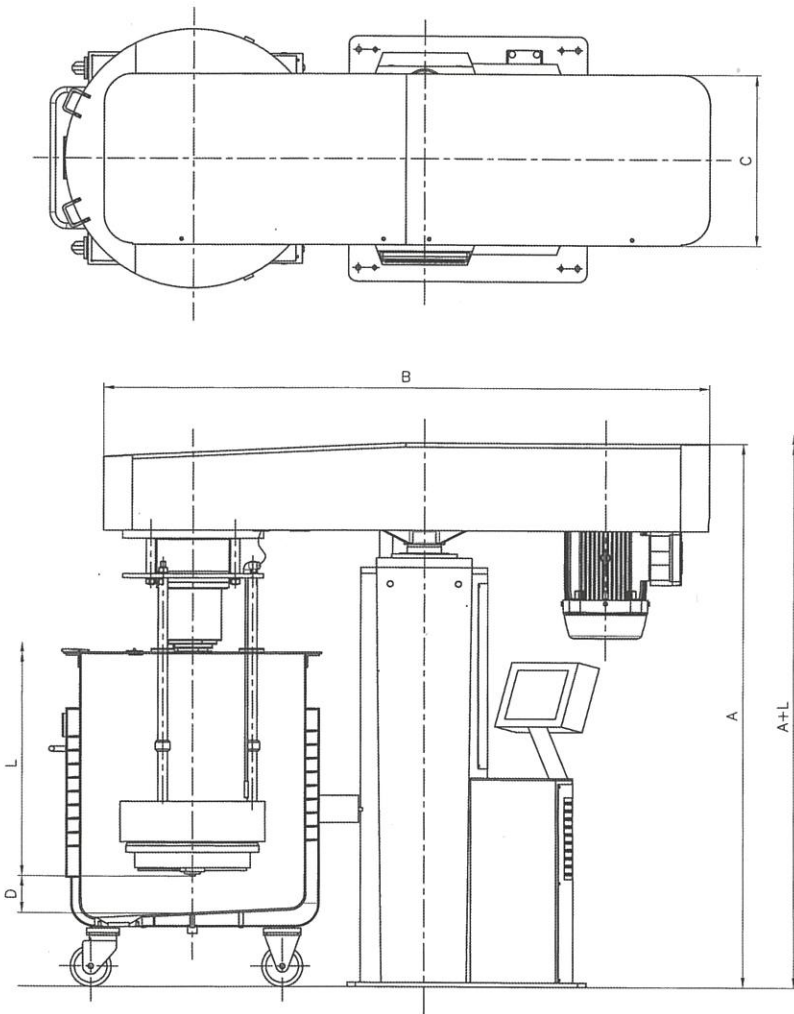
Operation control and monitoring

Control features:-

- 20 operation process designs.
- Operating modes
 - Step cycle.
 - Total cycle time.
 - Total KWH apply.
- Complete view of machine operation monitoring.
- Auto alarm display.
- Automation process adopted to ISA88 concept.
- Security level control for process operation.
- Data management.
- User friendly.

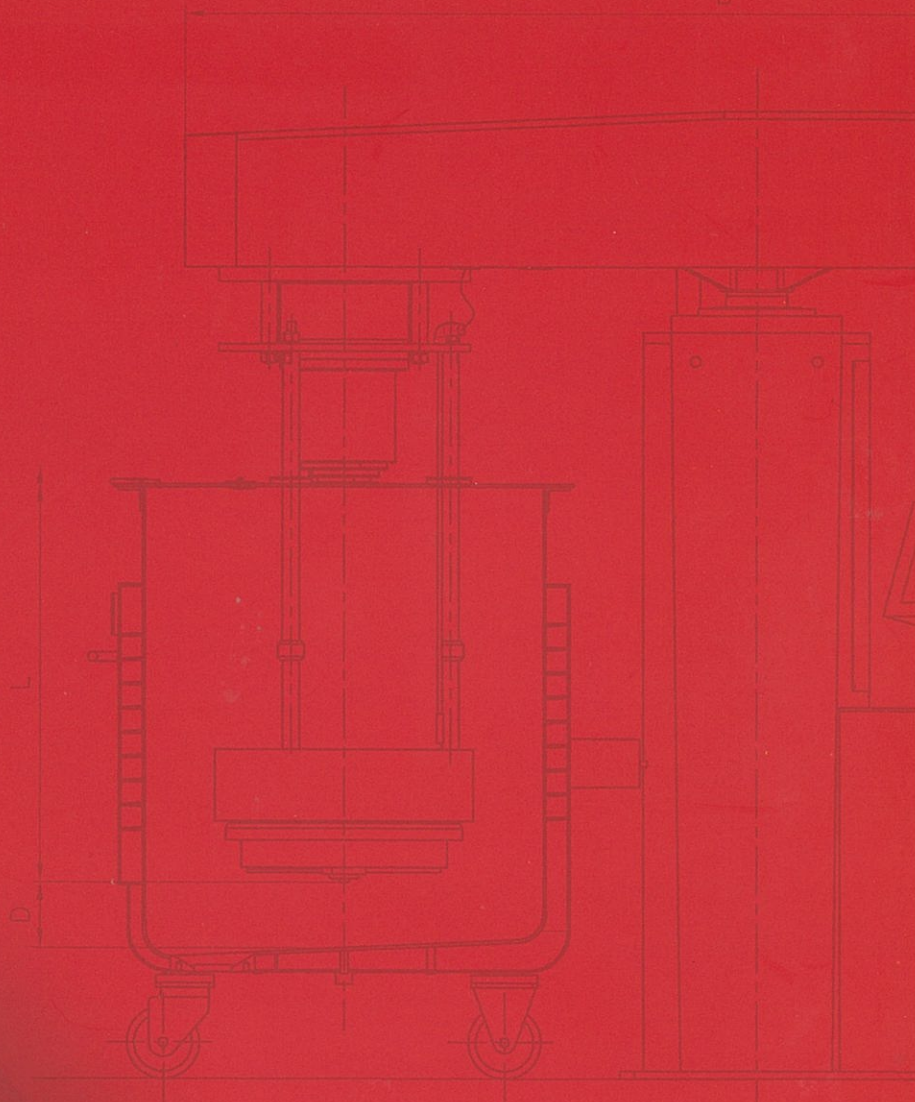
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Model	A	B	C	D	L	A+L
SBK - 10	1990	1972	662	100	950	2940
SBK - 20	1990	2230	662	135	950	2940
SBK - 40	2190	2667	662	135	1050	3140

Model	Mill Base Cap (ℓ)	Standard Vessel		Motor (kw)		Speed (r.p.m)	Weight (kg)
		Total Capacity (ℓ)	Dimension ϕ x H	Main	Hyd. Pump		
SBK - 10	100 ~ 200	250	650 x 800	7.5	0.4	0 - 700	1400
SBK - 20	200 ~ 400	500	900 x 800	15	0.75	0 - 600	1600
SBK - 40	400 ~ 800	1000	1250 x 1000	30	0.75	0 - 600	1800



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