



CONCRETE BATCHING PLANTS



INNOVATIVE LAYOUTS AND EFFICIENT DESIGN
FOR A WIDE VARIETY OF APPLICATIONS

WHO WE ARE

BuildMate is a strong technology oriented, high-tech engineering project and execution company providing technology and supply of machinery and equipment for Building Material projects. We are among the top manufacturers in the world for AAC Plants and have considerable experience in manufacturing other building material plants and machinery.

BuildMate's commitment to being a partner for your building material projects from concept to commissioning is so strong that is part of our name and identity. For over 30 years we have provided a complete range of project services needed to conceptualize, plan, design, engineer and set up building material projects to meet the specific requirements of its clients to generate considerable value.

Our vast experience of operating and setting up various building material manufacturing facilities ranging from stone crushers and concrete block plants to cement and lime plants, helps us make better machinery that is not just better design wise but is ideal for productive plant operations. We now bring our considerable expertise to the world of stone crushing equipment and concrete batching plants with innovative solutions to unresolved industry problems.



Salient Features

- Robust construction with less wear and tear
- Advanced technology for excellent performance
- Higher output and low maintenance
- Easy, continuous and automated operation
- MIS reports
- Optional features
- Superior support and service

BuildMate's reliable and heavy duty components ensure long life and high mixing homogeneity.

Batching plant models

Standard Series:

With minimum maintenance, guaranteed high output and low wear and tear BuildMate's batching plants will give you reliable, robust and efficient.

Available in 30 cu.m, 60 cu.m, 90 cu.m and 120 cu.m capacities.

Tech Series:

Along with all the features of the Standard Series, the Tech series models have advanced plant operation features including MIS reports, can come in innovative layouts and have optional features

Available in 30 cu.m, 60 cu.m, 90 cu.m and 120 cu.m capacities.

We make the following types of mixers:

1. Planetary mixers
2. Twin shaft mixers
3. Pan mixers
4. Ribbon mixers
5. Blenders



The plants offered by BuildMate incorporate aggregate hoppers which are in-line and can be placed at right angle to the inclined conveyor or in-line with it. These structures are manufactured from high quality steel sections to dimensional accuracy and finish. Under the aggregate hoppers is located the weigh conveyor, which is slung on load cells. The sequentially batched material is accurately weighed on this conveyor. The weighed material then moves on to the inclined conveyor. The load cells and pneumatic actuators fitted to the hopper gates are controlled by the control station.



The inclined conveyor is positioned at an angle of 28 degrees connecting the weigh conveyor discharge point and the entry point at the mixer or the holding hopper there by creating stock of a batch above the mixer. This feature enhances productivity considerably on plants with capacities of 60 cu.m / hr and above. The conveyor is covered by a hood in order avoid dust contaminating the environment.

This picture shows the placement of the holding hopper and the cement, water and admix weigh hoppers placed over the twin shaft mixer. Also the discharge hopper of the mixer is shown, to which the transmit mixer will engage for transporting concrete.

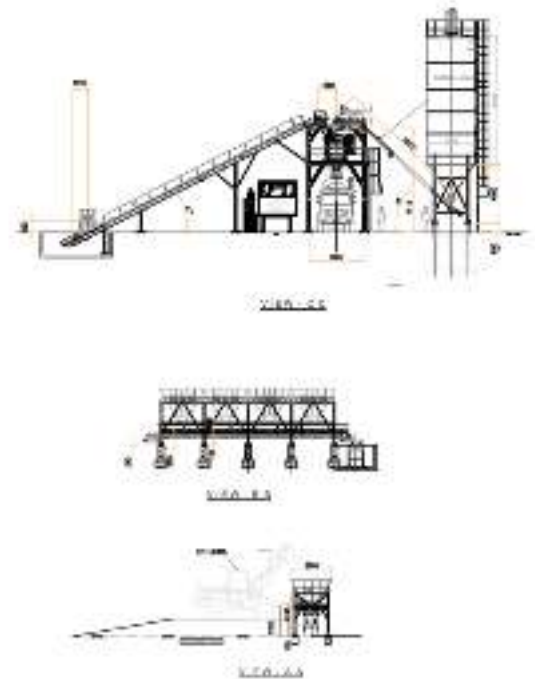
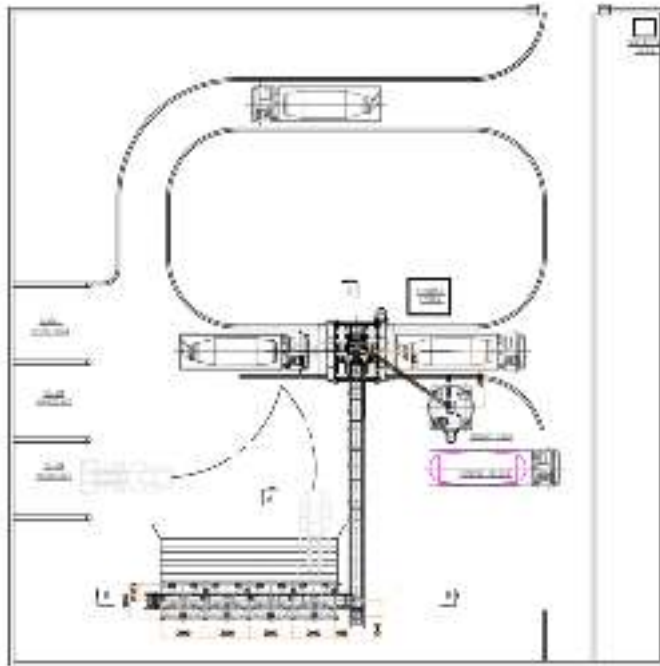


A control cabin installed at the job site. In this control cabin is housed the electrical panel, which contains all the electrical switch gear, control circuit software and the HMI which enable the operator to operate the entire plant effortlessly.

Our mixers are sturdily built with long lasting liner plates. The mixing arms and blades have been designed to mix materials widely varying in size while using low water content. This works especially well for applications like Precast. The discharge is controlled hydraulically and the mixers are equipped with necessary electronics to ensure smooth start, and long service life. They need very little routine maintenance.



GENERAL ASSEMBLY DRAWING OF A TYPICAL BUILDMATE BATCHING PLANT



**BUILDMATE'S BATCHING PLANTS
COME IN VARIOUS LAYOUTS:**

- **COMPACT**
- **STANDARD HORIZONTAL**
- **TOWER TYPE**
- **MOBILE**



	Models		BM 500 TS	BM 1000 TS	BM 2000 TS	BM 3000 TS
AGGREGATE HOPPERS		UOM	U n i t s			
1	In line	nos	3/4	4/5	4/6	4/6
2	Capacity each	cum	7	10	15	22
3	Loading width	meters	2.8	3.1	3.3	3.3
4	Hopper gate pneumatically operated	nos	4	4	4	4
5	Loading height	meters	4.7	5.2	5.4	6.2
WEIGH CONVEYOR						
1	Belt width	mm	650	800	1000	1200
2	Geared motor drive capacity	kW	7.5	11	15	22
INCLINED CONVEYOR						
1	Belt width	mm	650	800	1000	1200
2	Geared motor drive capacity	kW	15	22	30	45
3	Length of conveyor c/c	m	14	18	20	23
TWIN SHAFT MIXER						
1	Mixer capacity Dry	liters	750	1500	3000	4500
2	Mixer capacity Wet	liters	500	1000	2000	3000
3	Drive	nos	2 x 11	2 x 18.5	2 x 37.5	2 x 55
4	Auto lubricator	nos	1	1	1	1
5	Hydraulic power pack	nos	1	1	1	1
CEMENT WEIGHING						
1	Capacity	cum	0.5	0.75	1.5	2.5
2	Vibrator	nos	1	1	1	1
WATER & ADMIX						
1	Water weigh hopper	liters	125	200	300	400
2	Water pump	nos	1	1	1	1
3	Admix weighing jar	nos	1	1	1	1
4	Load cells	nos	1	1	1	1
5	Admix pump capacity	lpm	30	45	60	60
OTHERS						
1	Electrical panels	set	1	1	1	1
2	All internal wiring	set	1	1	1	1
3	HMI	set	1	1	1	1
	PLANT OUTPUT APPROX.	cum/hr	30	60	120	180

We setup the following plants from concept to commissioning.

- Autoclaved Aerated Concrete (AAC) plants
- Concrete batching plants with planetary, twin-shaft, pan mixers.
- Pre-cast concrete plants
- Crushing plants with jaw crusher, cone crusher, VSI/sand maker etc
- Concrete block plants
- Dry ready mix mortar plants
- Pre-cast concrete plants
- Lightweight aggregate plants
- Lime plants

***We excel at any
Special projects
and plants in construction
or building materials.***

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