

Concrete Batching Plant

AN ISO 9001 : 2008 CERTIFIED COMPANY



use the
machinery of
VINAYAK
making the
way to **success**

CBP Series : 45 - 120^{m3/hr}
(In Line)





SALIENT FEATURES :

- Robust structure supported with corrugated bins.
- For ease of maintenance large mixer platform.
- Specially designed for increased productivity.
- Mixer loading by Belt Arrangement or Skip Hoist option.
- For flexibility to adopt to different layout requirement modular design is provided.
- Specially produced for ready-mix producers, precast manufacturers, contractors etc.
- Range comes with 0.5 cubic meter to 3 cubic meter batch size, Both Twin Shaft Mixer and Planetary Mixer provide as per requirement.
- Output ranges from 30 cubic meter to 120 cubic meter per hour of compacted concrete.
- Plants comes with four, five or six in-line Aggregate Bins and option of total storage capacity from 30 to 120 cubic meter based on plant size.
- Earned respect in the RMC industry with our penchant of quality all the way.
- Specially designed for dam projects, hollow core precast and concrete block producers.
- Electronic digital display with high precision load cells for independent electronic weighing of cement, aggregates and water.
- PLC based automated controls with real time SCADA.
- USP of our batching plant is easy and fast erection/dismantling at site.
- We took utmost care in design & manufacturing that we assure Low Maintenance Plant.
- Intelligent controls and compact design.



**SICOMA
TWIN SHAFT MIXER**

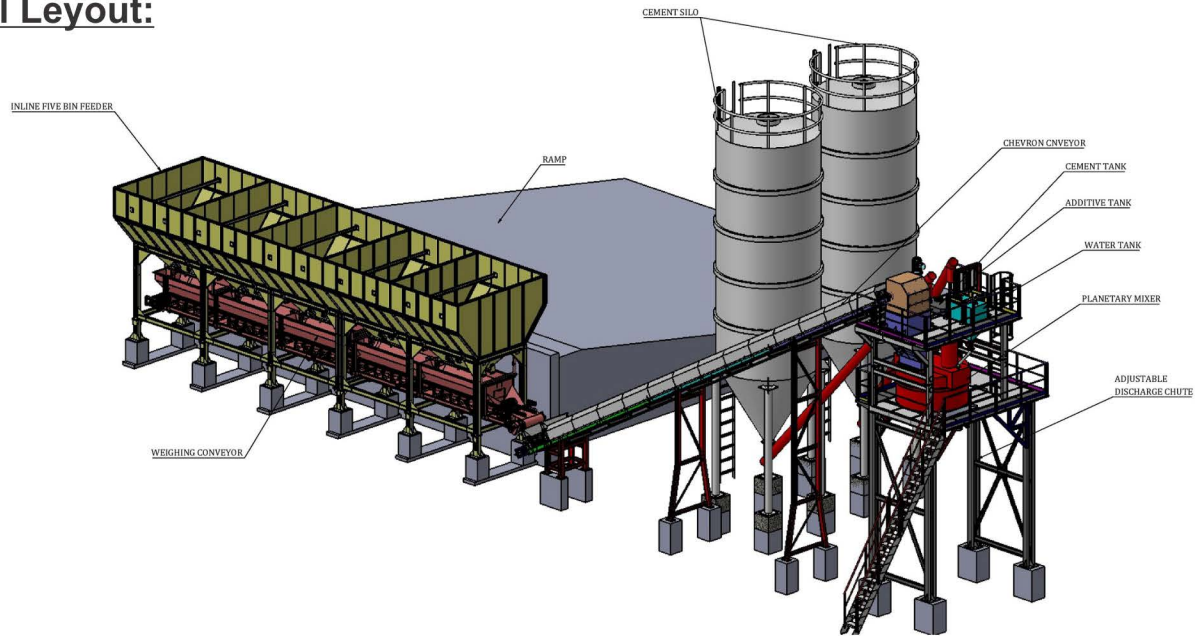


**SICOMA
PLANETARY MIXER**



INCLINE STORAGE BIN

General Layout:



TECHNICAL SPECIFICATION

Concrete Output/hr (Under ideal condition and continuous option)	CBP-45	CBP-60	CBP-75	CBP-90	CBP-120
Aggregate Storage System	In Line Bin	In Line Bin	In Line Bin	In Line Bin	In Line Bin
a. Aggregate Storage Bins/Capacity	4 Nos./45 m ³	4 Nos./60 m ³	4 Nos./60 m ³	4 Nos./80 m ³	4 Nos./80 m ³
b. Vibrator Motor	1 No	1 No	1 No	1 No	1 No
Aggregate Weighing System	Yes	Yes	Yes	Yes	Yes
a. Weighing Hopper	Yes	Yes	Yes	Yes	Yes
b. Electromagnetic Load Cell	4 Nos.	6 Nos.	6 Nos.	6 Nos.	6 Nos.
Charging conveyor	Yes	Yes	Yes	Yes	Yes
Aggregate Hopper	Yes	Yes	Yes	Yes	Yes
a. Pneumatic Discharge Gate	Yes	Yes	Yes	Yes	Yes
b. Hopper	Yes	Yes	Yes	Yes	Yes
c. Vibrator Motor	1 Nos.	1 Nos.	1 Nos.	1 Nos.	1 Nos.
Mixer Unit	Yes	Yes	Yes	Yes	Yes
a. Type	Twin Shaft / Planetary				
b. Capacity	1250 / 750	1500 / 1000	1750 / 1250	2250 / 1500	2250 / 1500
c. Side & Bottom Lining	Anti Wear	Anti Wear	Anti Wear	Anti Wear	Anti Wear
d. Mixing & Side Scrapper Blade	Anti Wear	Anti Wear	Anti Wear	Anti Wear	Anti Wear
Weighing and Batching System	Yes	Yes	Yes	Yes	Yes
a. Cement / Fly Ash Hopper	Yes	Yes	Yes	Yes	Yes
b. Electromagnetic Load Cell	3 Nos.	3 Nos.	3 Nos.	3 Nos.	3 Nos.
c. Cement Vibrator	1 No.	1 No.	1 No.	1 No.	1 No.
Admixture Weighing System	Yes	Yes	Yes	Yes	Yes
a. Weighing Container	Acrylic Container	Acrylic Container	Acrylic Container	Acrylic Container	Acrylic Container
b. Electromagnetic Load Cell	1 No.	1 No.	1 No.	1 No.	1 No.
Water Hopper	Yes	Yes	Yes	Yes	Yes
a. Water Connection	50 NB	65 NB	65 NB	65 NB	65 NB
b. Load Cell	3 Nos.	3 Nos.	3 Nos.	3 Nos.	3 Nos.
Cement Screw Conveyor with Bag Hopper / Capacity	Yes / 50 Bags	Yes / 50 Bags	Yes / 50 Bags	Yes / 50 Bags	Yes / 50 Bags
Pneumatic System	Yes	Yes	Yes	Yes	Yes
Air Compressor	5 HP	10 HP	10 HP	10 HP	10 HP
Fully Automatic Control Panel with Computer and Printer	Yes	Yes	Yes	Yes	Yes
Centralized Insulated Control Cabin	Yes	Yes	Yes	Yes	Yes
Connected Load for Standard Plant - hp	98 HP	131.5 HP	131.5 HP	157 HP	261 HP
Required DG Set	125 KVA	180 KVA	180 KVA	220 KVA	350 KVA



WEIGHING & BATCHING SYSTEM



SCADA-PLC BASED PANEL



CEMENT SILO

Quality Assurance

We believe that client satisfaction comes from products that perform efficiently and reliably with least down time. We have adopted stringent quality assurance checks for every product, starting with the raw material. Our workforce is self motivated with every employee considering himself to be a Quality Inspector.

Design & Engineering

We our products are designed from basic principles. Past experience, field feed-back, innovation and application form important parameters in the design of our products.

After-sales-service

We offer you not only prompt and effective service, but also the complete range of original spares to help prevent any down time and consequent production and profit losses. We have earned on enviable reputation throughout the country for the excellence of our sales and service.

Unit Exported To More Than 35 Countries Worldwide

We have exported number of units to various countries, Repeat export orders speak of our quality & commitment towards customer satisfaction.



AFGHANISTAN



ALGERIA



ANDAMAN NICOBAR



BHUTAN



BANGLADESH



DJIBOUTI



ECUADOR



GUYANA



GHANA



IRAQ



KENYA



MALAWI



MOZAMBIQUE



MALDIVES



NIGERIA



NEPAL



OMAN



QATAR



PERU



TRINIDAD &
TOBAGO



SIERRA LEONE



SAUDI ARABIA



UAE



SRI LANKA



YEMEN

VINAYAK's policy of constant upgradation of products, specifications are subject to change without prior notice. Accessories shown are optional and not a part of standard supply.

VINAYAK[®]
ASPHALT & CONCRETE EQUIPMENT

VINAYAK CONSTRUCTION EQUIPMENTS

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FOR THE WORLD**

