

## Concrete Batching Plant

AN ISO 9001 : 2008 CERTIFIED COMPANY



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

CBP Series : 60 | 75 | 90 | 120 m<sup>3</sup>/hr







## 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 60 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 60 to 120 cubic meter based on plant size.
- Earned respect in the RMC industry with our penchant of quality al 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 upmost care in design & manufacturing that we assure Low Maintenance Plant.
- Intelligent controls and compact design.



**TWIN SHAFT MIXER**



**PLANETARY MIXER**



**IN LINE STORAGE BIN**





### TECHNICAL SPECIFICATION

| Concrete Output/hr<br>(Under ideal condition and continuous option) | CBP - 60                 | CBP - 75                 | CBP - 90                 | CBP - 120                |
|---------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Aggregate Storage System</b>                                     | <b>In Line Bin</b>       | <b>In Line Bin</b>       | <b>In Line Bin</b>       | <b>In Line Bin</b>       |
| a. Aggregate Storage Bins/Capacity                                  | 4 Nos./60 m <sup>3</sup> | 4 Nos./60 m <sup>3</sup> | 4 Nos./80 m <sup>3</sup> | 4 Nos./80 m <sup>3</sup> |
| b. Vibrator Motor                                                   | 2 No                     | 2 No                     | 2 No                     | 2 No                     |
| <b>Aggregate Weighing System</b>                                    | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| a. Weighing Hopper                                                  | Yes                      | Yes                      | Yes                      | Yes                      |
| b. Electromagnetic Load Cell                                        | 6 Nos.                   | 6 Nos.                   | 6 Nos.                   | 6 Nos.                   |
| <b>Charging conveyor</b>                                            | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| <b>Aggregate Hopper</b>                                             | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| a. Pneumatic Discharge Gate                                         | Yes                      | Yes                      | Yes                      | Yes                      |
| b. Hopper                                                           | Yes                      | Yes                      | Yes                      | Yes                      |
| c. Vibrator Motor                                                   | 1 Nos.                   | 1 Nos.                   | 1 Nos.                   | 1 Nos.                   |
| <b>Mixer Unit</b>                                                   | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| a. Type                                                             | Twin Shaft / Planetary   |                          |                          |                          |
| b. Capacity                                                         | 1500 / 1000              | 1875 / 1250              | 2250 / 1500              | 3000 / 2000              |
| c. Side & Bottom Lining                                             | Anti Wear                | Anti Wear                | Anti Wear                | Anti Wear                |
| d. Mixing & Side Scraper Blade                                      | Anti Wear                | Anti Wear                | Anti Wear                | Anti Wear                |
| <b>Weighing and Batching System</b>                                 | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| a. Cement / Fly Ash Hopper                                          | Yes                      | Yes                      | Yes                      | Yes                      |
| b. Electromagnetic Load Cell                                        | 3 Nos.                   | 3 Nos.                   | 3 Nos.                   | 3 Nos.                   |
| c. Cement Vibrator                                                  | 1 No.                    | 1 No.                    | 1 No.                    | 1 No.                    |
| Admixture Weighing System                                           | Yes                      | Yes                      | Yes                      | Yes                      |
| a. Weighing Container                                               | Acrylic Container        | Acrylic Container        | Acrylic Container        | Acrylic Container        |
| b. Electromagnetic Load Cell                                        | 1 No.                    | 1 No.                    | 1 No.                    | 1 No.                    |
| Water Hopper                                                        | Yes                      | Yes                      | Yes                      | Yes                      |
| a. Water Connection                                                 | Yes                      | Yes                      | Yes                      | Yes                      |
| b. Load Cell                                                        | 3 Nos.                   | 3 Nos.                   | 3 Nos.                   | 3 Nos.                   |
| <b>Cement Screw Conveyor with Cement Silo / Capacity</b>            | <b>Yes / 100 MT X 2</b>  | <b>Yes / 100 MT X 2</b>  | <b>Yes / 100 MT X 2</b>  | <b>Yes / 100 MT X 2</b>  |
| <b>Pneumatic System</b>                                             | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| Air Compressor                                                      | 5 HP                     | 5 HP                     | 7.5 HP                   | 7.5 HP                   |
| <b>Fully Automatic Control Panel with Computer and Printer</b>      | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| <b>Centralized Insulated Control Cabin</b>                          | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               | <b>Yes</b>               |
| <b>Concrete Discharge Height</b>                                    | <b>4.2 Mtr.</b>          | <b>4.2 Mtr.</b>          | <b>4.2 Mtr.</b>          | <b>4.2 Mtr.</b>          |
| <b>Required DG Set</b>                                              | <b>180 KVA</b>           | <b>180 KVA</b>           | <b>250 KVA</b>           | <b>250 KVA</b>           |



**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 an enviable reputation throughout the country for the excellence of our sales and service.

## Unit Exported To More Than 25 Countries Worldwide

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



AFGHANISTAN



ALGERIA



BHUTAN



BANGLADESH



DJIBOUTI



ECUADOR



GUYANA



GHANA



IRAQ



KENYA



MALAWI



MOZAMBIQUE



MALDIVES



NIGERIA



NEPAL



OMAN



QATAR



PERU



TRINIDAD &  
TOBAGO



SAINT LUCIA



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 CONSTRUCTION EQUIPMENTS

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FOR THE WORLD**

