



# CRB SERIES

*Compact Reduced Bin Batching Plant*

CRB 20 | CRB 20TM | CRB 30

CRB 60 | CRB 75 | CRB 120



SELF LOADER



BATCHING PLANT



TRANSIT MIXER



CONCRETE PUMP



BOOM PUMP



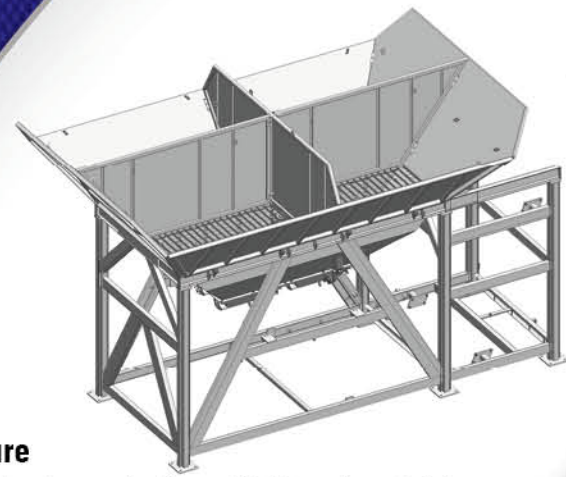
SPBP



PAVER





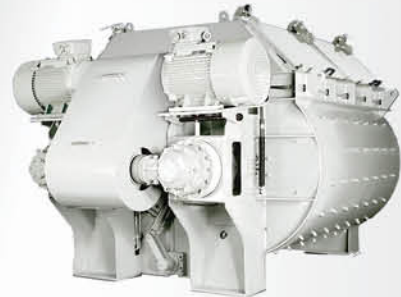


### Compact Bin

- Ensures high productivity with in compact area.
- Loading of materials at accessible height.

### Sturdy Structure

- Sturdy framed structure made of special high grade material.



### Twin-Shaft Mixer

- Compact design with easy installation.
- Hexagonal mixing shafts with a spiral profile blades provides best homogeneity mix.
- High efficiency with synchronizer flow belt to match the speed of two motors.



### Planetary Mixer

- Optimal mixing time with faster discharge.
- Lower power consumption.
- Interchangeable wear resistant lining.
- Reversible mixing blades.
- Round mixing arms with Ni-Cr Steel.



### Skip System

- Dual rope system with winding guide and winch drum
- Limit switches for feeding, waiting and discharge positions
- Emergency switches for slack/failure wire protection and safety grids replaceable



### Weighing Technology

- S-type load cell for accuracy in weighing aggregates.
- CE approved load cells easy maintenance.



### Slump Meter

- To test concrete slump during sampling.



### Pneumatic Cylinders

- Ensures smooth operation of discharge of materials.
- Sturdy cylinders ensures better accuracy.

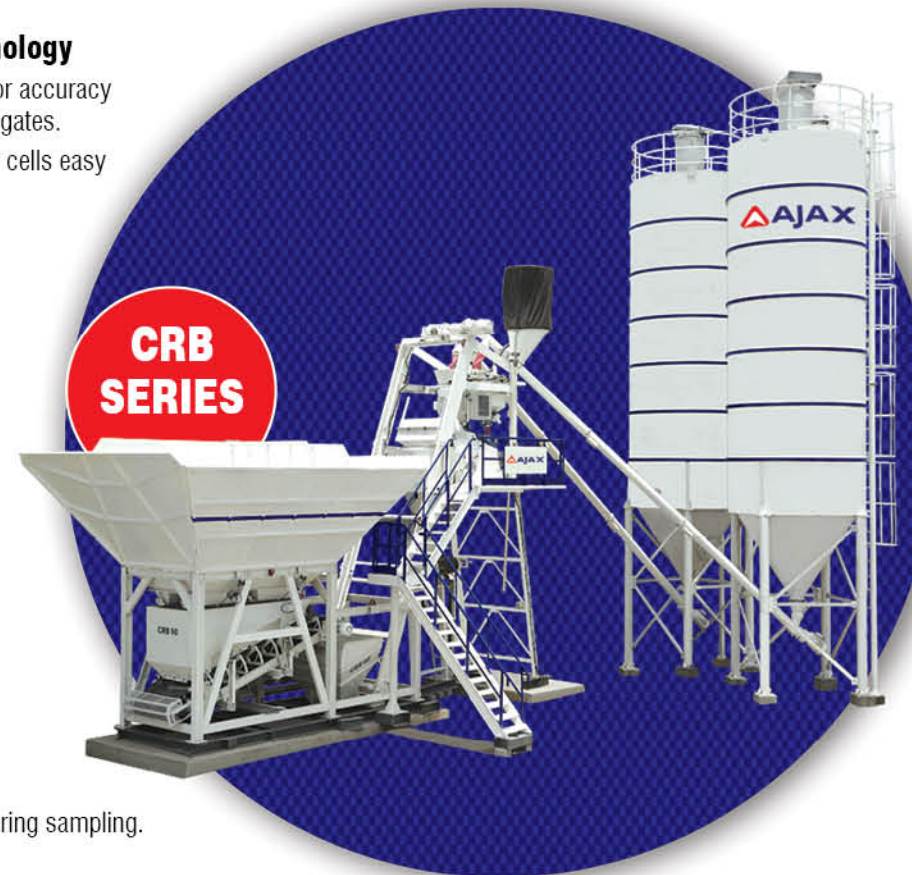
### Additive Batching

- Dosing unit complete with supporting trestle, electrical equipment cables, hoses, fittings and complementary accessories.



### Skid Foundation

- No special requirement for foundation.
- Easy installation of plant at site.



**CRB  
SERIES**

### Screw Feeder

- Screw Feeder with motor arrangement attached beneath cement hopper.
- Options of sizes available for different concreting requirement & reduced cycle-time.



### Bag cutting Hopper

- Low height hopper for easy access for cement feeding.



### Operators Cabin

- Hinged Cabin for ease of operation/ attached along machine (for CRB 30).
- Plug and play system for easy maintenance.

### Vibrator

- Discharge of cohesive material.



### SCADA Based Control Panel with PLC Unit

- 4 weight indicators ( each one for Aggregate, Cement, Water and Admix).
- Unlimited Data Storage.
- Auto/ Manual Moisture (water) correction possible.

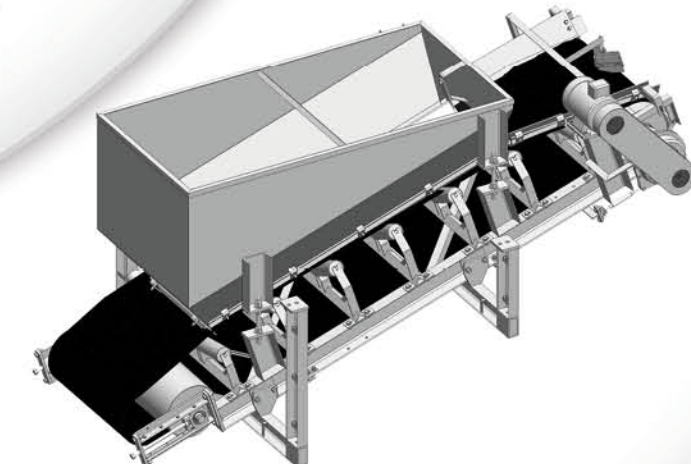


### Cement Hopper and Water Tank

- Bigger capacity Hopper for storage of cement & Water.

### Aggregate Weighing Hopper & Conveyor Assembly

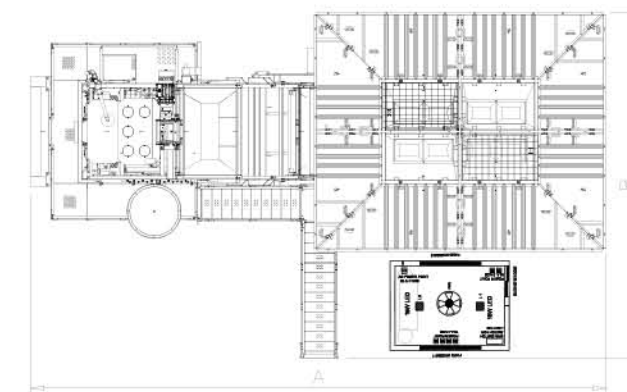
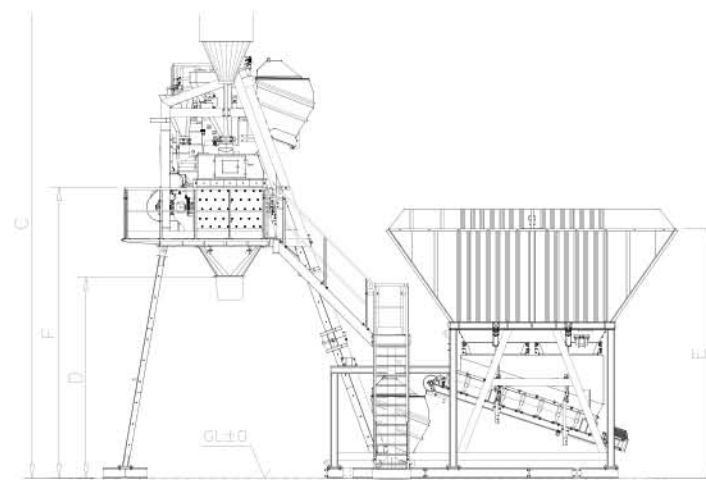
- Wider gates for faster discharge of aggregates.
- 4 load cells ensure high weighing accuracy.
- Skirting ensures nil wastage of aggregate.





## Dimensions

	A (Length of the plant) (mm)	B (Width of the plant) (mm)	C (Height of the plant) (mm)	D (Discharge Height) (mm)	E (Aggregate Loading Height) (mm)	F (Mixer station Height) (mm)
CRB 20	8986	3112	4729 (with skid)	1728	3850	3463
CRB 20 TM	13326	3112	7047	4012	3688	5747
CRB 30	10852	6400	7764	3900	3850	5591
CRB 60 PS	11727	7155	9843	3800	5102	5754
CRB 60 TS	11782	7105	10424	4100	5102	5950
CRB 75 TS	11782	7105	10424	4114	5102	5949
CRB 120	13626	9048	12060	4305	6017	6791



## Technical Specification

Description	CRB 20	CRB 20 TM	CRB 30	CRB 60	CRB 75	CRB 120
<b>MIXER</b>						
Model	EPM 500/330 Planetary Mixer	EPM 500/330 Planetary Mixer	EPM 750/500 Planetary Mixer	EPM 1500/1000 planetary mixer /ATS 1500/1000 Twin shaft mixer	ATS 1750/1250 Twin shaft mixer	ATS 4500/3000 Twin shaft mixer
Mixer Capacity (Filling Volume / Plastic Concrete)	500L/330 L	500L/330 L	750L/500 L	1500L/1000 L	1750L/1250 L	4500L/3000 L
Mixer Motor	11 kW	11 kW	18.5 kW	37 kW/ 18.5x2 kW	22x 2 kW	55 x 2 kW
Throughput	20 m³/hr	20 m³/hr	30 m³/hr	60 m³/hr	75 m³/hr	120 m³/hr
Concrete Discharge Height	1.7 m	4.1 m	4 m	4 m	4 m	4.1 m
<b>AGGREGATRE STORAGE</b>						
Type	Compartment	Compartment	Compartment	Compartment	Compartment	Compartment
No. of Bins	4 nos	4 nos	4 nos	4 nos	4 nos	4 nos
Maximum Aggregate Size/ maximum quantity	40 mm/20%	40 mm/20%	40 mm/20%	60 mm/20%	60 mm/20%	60 mm/20%
Total Storage Capacity	10 m³	10 m³	40 m³	40 m³	40 m³	80 m³
<b>VOLUME/ WEIGHING CAPACITY</b>						
Aggregate	960 kg	960 kg	1000 L/1400 kg with density 1400kg/m³	1800 L/2500 kg with density 1400 kg/m³	2250 L/3150 kg with density 1400 kg/m³	5400 L/7560 kg with density 1400 kg/m³
Cement	165 L/200 kg	160 L/200 kg	290 L/ 350 kg	580 L/ 700 kg capacity max	580 L / 700 kg	1800 kg
Water	100 L	100 L	180 L	250 L	300 L	900 L
Admixture	6 L	6 L	6 L	12 L	12 L	20 L
<b>LOAD CELLS</b>						
Aggregate Weighing	4 nos; 1500 kg, S Type	4 nos; 1500 kg, S Type	4 nos;2000 kg, S Type	4 nos; 2000 kg , S Type	4 nos; 2000 kg, S Type	4 nos; 3000 kg, S Type
Cement Weighing	3 nos; 200 kg, S Type	3 Nnos; 200 kg, S Type	3 Nos; 500 kg, SB type	3 nos; 500 kg, SB type	3 nos; 500 kg, SB type	3 nos; 1000 kg, SB type
Water Weighing	1 no; 500 kg, S Type	1 no; 500 kg, S Type	1 no;500 kg,S type	3 nos; 500 kg, SB type	3 nos; 500 kg, SB type	3 nos; 500 kg, SB type
Admixture Weighing	1 no; 50 kg, SB Type	1 no; 50 kg, SB Type	1 no;50 kg, SB type	1 no. 100 kg, SB type	1 no. 100 kg, SB type	1 no. 100 kg, SB type
<b>CEMENT SCREW FEEDER</b>						
Nominal Output	25 Tph	25 Tph	25 Tph	60 Tph	60 Tph	90 Tph
Length	6.5 m	10 m	10 m	10 m	10 m	12 m
Diameter	168 mm	168 mm	168 mm	219 mm	219 mm	273 mm
Motor Power	5.5 kW	7.5 kW	7.5 kW	9.2kw	9.2 kw	15 kW
<b>AIR COMPRESSOR UNIT</b>						
Type	2 STG, 2 CYL Reciprocating	2 STG, 2 CYL Reciprocating	2 STG, 2 CYL Reciprocating	2 STG, 2 CYL Reciprocating	2 STG, 2 CYL Reciprocating	2 STG, 2 CYL Reciprocating
Tank Capacity	100 L	150 L	150 L	160 L	220 L	500 L
<b>LOAD</b>						
Maximum Operational Load	34 kW	36 kW	46 kW	85 kW	96 kW	200 kW
Total Connected Load	40 kW	42 kW	66 kW	95 kW	134 kW	267 kW
<b>CONTROL PANEL</b>						
Control Panel	IDS DECI PLUS HMI panel with Printer mounted on Plant structure	IDS DECI PLUS HMI panel with Printer hinged to Plant structure	IDS KILO SCADA panel with PC, Printer & UPS	IDS MEGA SCADA panel with PC,Printer & UPS	IDS MEGA SCADA panel with PC, Printer & UPS	IDS MEGA PLUS SCADA panel with PC, Printer & UPS

Model	No Of Trailers	Suggested DG Set*
CRB 20		62.5 kVA
CRB 20 TM		62.5 kVA
CRB 30		82.5 kVA
CRB 60	 	140 kVA
CRB 75	 	160 kVA
CRB 120	  	365 kVA

\*DG suggested for standard scope supplies



## Benefits

### Mixer efficiency

- Ensures homogenous mix with Twin shaft and Planetary mixers.
- Low power consumption (less load taken).
- Fast discharge of concrete.
- Inspection cover to check and for maintenance.
- Heavy duty reduction unit in mixer gearbox.

### Best in class in the industry

- One day erection of plant at site.
- Low operating and maintenance cost.
- Less wear & tear with longer life of components.
- Customization of plant as per site requirement.
- Mixers are manufactured in-house with AJAX Technology.

### Compact Sturdy Plant

- Ajax Plants are designed to reduce the overall weight.
- Helps in easy transportation, erection, operation & Dismantling.
- Skid foundation for immediate operation of the plant.



### Plant credentials

- Successfully in operation for last 2 decades handling higher capacities.
- Certified from legal metrology department.

### Modular cabin design

- Computerised plant comes with a system that operates with SCADA based software.
- A control panel display the working cycle of plant, can be controlled manually/automatically.
- AC Cabin for operator comfort.

### Comprehensive range

- Capacity varying from 20-120 m<sup>3</sup>/hr available with best weighing and mixing technology.
- Customized based on customers requirement to meet his needs with different types of Bin/ conveyor/ mixer arrangement for varied application.

## Applications





# AJAX Support Network



**AJAX Headquarters**



**Regional & Area Offices**



**Dealer Offices**



**Dealer Touch Points**



An ISO 9001:2015 Certified Company



Toll Free Number  
**1800 4190 628**

## Corporate Office:

### AJAX ENGINEERING PVT. LTD.

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CIN # U28920KA1992PTC013306

T : + 91 80 6720 0082/ 6720 0083

E : [customercare@ajax-engg.com](mailto:customercare@ajax-engg.com)

W : [www.ajax-engg.com](http://www.ajax-engg.com)

## Factory:

### AJAX ENGINEERING PVT. LTD.

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Kudumalakunte Village, Gowribidanur - 561 598  
Karnataka, India.

## Authorised Dealer:

*\*Specifications are subject to change without prior notice, Products shown herein may include optional scope of supply. Kindly refer to techno-commercial quote.*



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