

BATCHING PLANTS



CRB SERIES



IRB SERIES



IBP SERIES

The Next-Gen 360° Concreting Solutions

MADE IN
INDIA
MADE FOR THE WORLD

BATCHING PLANT

AJAX Batching Plants are the preferred choice of leading RMC companies for over two decades. These plants are known for their higher productivity, energy efficiency, advanced technology, strong build quality and ease of operation.



CRB SERIES	
Model	Batch Capacity
CRB 20	20 cu.m/hr
CRB 30	30 cu.m/hr
CRB 45	45 cu.m/hr
CRB 60	60 cu.m/hr
CRB 75	75 cu.m/hr
CRB 90	90 cu.m/hr
CRB 120	120 cu.m/hr

IRB SERIES	
Model	Batch Capacity
IRB 30	30 cu.m/hr
IRB 45	45 cu.m/hr
IRB 60	60 cu.m/hr
IRB 75	75 cu.m/hr
IRB 90	90 cu.m/hr
IRB 120	120 cu.m/hr

IBP SERIES	
Model	Batch Capacity
IBP 30	30 cu.m/hr
IBP 45	45 cu.m/hr
IBP 60	60 cu.m/hr
IBP 75	75 cu.m/hr
IBP 90	90 cu.m/hr
IBP 120	120 cu.m/hr
IBP 160	160 cu.m/hr
IBP 200	200 cu.m/hr
IBP 240	240 cu.m/hr

BEST-IN-CLASS BENEFITS



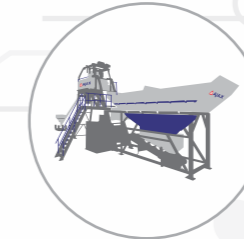
ANNUAL COST SAVINGS

Most guaranteed with efficient mixing, resulting in best-in-class homogeneity, leading to annual cost savings



LESS COST OF OWNERSHIP

Less wear and tear with long life of components results in low operation maintenance cost



MODULAR ARRANGEMENT*

- a. One day Plant erection is possible
- b. Customisation of plant as per site requirement
- c. helps in easy transportation, erection, operation and dismantling

*CRB Series

STANDARDS & CERTIFICATIONS



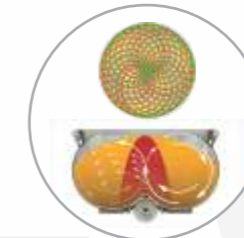
IS 4925

AJAX Batching plants conform to IS 4925: 2015 certification standard accredited by NABL



WEIGHTS AND MEASURES METROLOGY CERTIFICATION

AJAX Batching Plant are certified and ascertained by weights and measures metrology department



MIXER EFFICIENCY STANDARD

Mixing efficiency of AJAX Concrete Mixers are ascertained as per ISO 18650-2/DIN459

APPLICATIONS

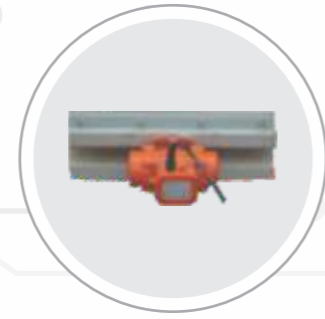


SALIENT FEATURES



INTEGRATED SKID

No special requirement for foundation, Easy installation of plant at site



VIBRATOR

Discharge of cohesive material



AGGREGATE STORAGE AND WEIGHING (COMPACT BIN)

Ensures high productivity with in compact area, Loading of materials at accessible height, 4 load cells ensure high weighing accuracy, Skirting ensures nil wastage of aggregate



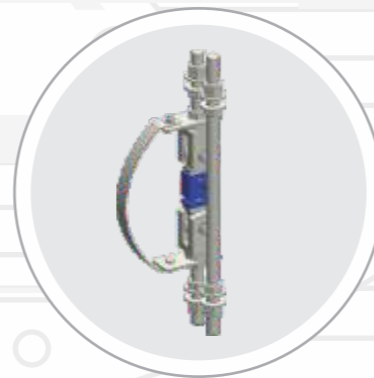
PNEUMATIC CYLINDERS

Ensures smooth operation of discharge of materials, Sturdy cylinders ensures better accuracy



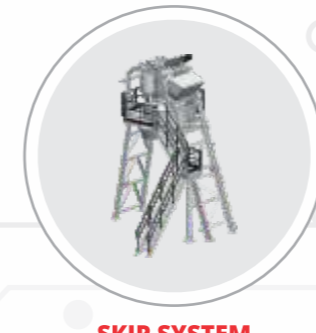
AGGREGATE STORAGE AND WEIGHING (INLINE BIN)

Higher bin capacity for storage of aggregates



WEIGHING TECHNOLOGY

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



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



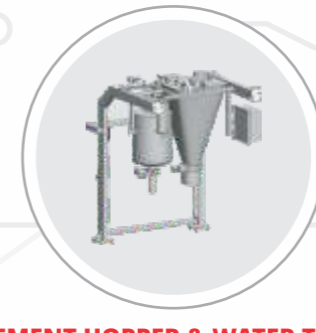
BELT CONVEYOR

Aggregate charging to the mixer is carried out by belt conveyor



SCREW FEEDER

Screw feeder with motor arrangement attached beneath cement hopper, Options of sizes available for different material



CEMENT HOPPER & WATER TANK

Bigger capacity Hopper for storage of cement & Water



ADDITIVE BATCHING

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



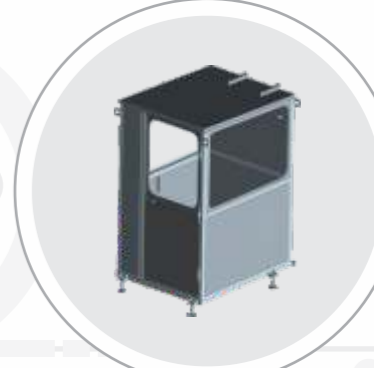
PLANETARY MIXER

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



SCADA BASED CONTROL PANEL WITH PLC UNIT

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



OPERATORS CABIN

Hinged cabin for ease of operation / attached along machine (for CRB 30), Plug & play system for easy maintenance



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

TECHNICAL SPEC - CRB SERIES

DESCRIPTION	CRB 20	CRB 20 TM	CRB 30	CRB 45
MIXER				
Model	APM 500 / 330 Planetary Mixer	APM 500 / 330 Planetary Mixer	APM 750 / 500 Planetary Mixer	APM 1250 / 750 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	11 kW & 500L / 330 L	11 kW & 500L / 330 L	18.5 kW & 750L / 500 L	22 kW & 1250L / 750 L
Throughput / Concrete Discharge Height	20 m ³ /hr / 1.7 m	20 m ³ /hr / 4 m	30 m ³ /hr / 4 m	45 m ³ /hr / 4 m
AGGREGATE STORAGE				
Type	Compartment Bins	Compartment Bins	Compartment Bins	Compartment Bins
No. of Bins / Total Storage Capacity	4 Nos / 10 m ³	4 Nos / 10 m ³	4 Nos / 20 m ³	4 Nos / 32 m ³
Maximum Aggregate Size / Maximum Quantity	40 mm / 20%	40 mm / 20%	40 mm / 20%	60 mm / 20%
VOLUME / WEIGHING CAPACITY				
Aggregate	960 kg with density 1400 kg / m ³	960 kg with density 1400 kg / m ³	1190 kg with density 1400 kg / m ³	1650 kg with density 1400 kg / m ³
Cement	200 kg	200 kg	350 kg	250 kg
Water	100 L	100 L	180 L	250 L
Admixture	6 L	6 L	6 L	12 L
LOAD CELLS				
Aggregate	4 Nos	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos	3 Nos
Water	1 No	1 No	3 Nos	3 Nos
Admixture	1 No	1 No	1 No	1 No
CEMENT SCREW FEEDER				
Nominal Output	25 Tph	25 Tph	25 Tph	60 Tph
Diameter	168 mm	168 mm	168 mm	219 mm
AIR COMPRESSOR UNIT				
Type & Tank Capacity	1 STG, 2 CYL Reciprocating & 160 L	1 STG, 2 CYL Reciprocating & 160 L	1 STG, 2 CYL Reciprocating & 160 L	1 STG, 2 CYL Reciprocating & 160 L
ELECTRICAL LOAD				
Maximum Operational Load & Total Connected Load	34 kW & 40 kW	36 kW & 42 kW	46 kW & 66 kW	63 kW & 80 kW
CONTROL PANEL				
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS

Optional Items

Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant

TECHNICAL SPEC - CRB SERIES

DESCRIPTION	CRB 60	CRB 75	CRB 90	CRB 120
MIXER				
Model	APM 1500/1000 Planetary Mixer / ATS 1500/1000 Twin Shaft Mixer	ATS 1750 / 1250 Twin Shaft Mixer	ATS 3000 / 2000 Twin Shaft Mixer	ATS 4500 / 3000 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	18.5x2 kW & 1500L / 1000 L / 37 kW	22 x 2 kW & 1750L / 1250 L	37 x 2 kW & 3000L / 2000 L	55 x 2 kW & 4500L / 3000 L
Throughput / Concrete Discharge Height	60 m ³ /hr / 4 m	75 m ³ /hr / 4 m	90 m ³ /hr / 4.1 m	120 m ³ /hr / 4.1 m
AGGREGATE STORAGE				
Type	Compartment Bins	Compartment Bins	Compartment Bins	Compartment Bins
No. of Bins / Total Storage Capacity	4 Nos / 40 m ³	4 Nos / 40 m ³	4 Nos / 60 m ³	4 Nos / 80 m ³
Maximum Aggregate Size / Maximum Quantity	60 mm / 20%	60 mm / 20%	60 mm / 20%	60 mm / 20%
VOLUME / WEIGHING CAPACITY				
Aggregate	2500 kg with density 1400 kg / m ³	3150 kg with density 1400 kg / m ³	50400 kg with density 1400 kg/m ³	7560 kg with density 1400 kg / m ³
Cement	700 kg	700 kg	1440 kg	1800 kg
Water	300 L	300 L	750 L	900 L
Admixture	12 L	12 L	20 L	20 L
LOAD CELLS				
Aggregate	4 Nos	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No	1 No
CEMENT SCREW FEEDER				
Nominal Output	60 Tph	60 Tph	90 Tph	90 Tph
Diameter	219 mm	219 mm	273 mm	273 mm
AIR COMPRESSOR UNIT				
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 160 L	2 STG, 2 CYL Reciprocating & 220 L	2 STG, 2 CYL Reciprocating & 220 L	2 STG, 2 CYL Reciprocating & 500 L
ELECTRICAL LOAD				
Maximum Operational Load & Total Connected Load	85 kW & 95 kW	96 kW & 134 kW	143 kW & 199 kW	200 kW & 267 kW
CONTROL PANEL				
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS

Optional Items

Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant

TECHNICAL SPEC - IRB SERIES

DESCRIPTION	IRB 30	IRB 45	IRB 60
MIXER			
Model	APM 750 / 500 Planetary Mixer	ATS 1125/750 Twin shaft mixer	APM 1500 / 1000 Planetary Mixer / ATS 1500 / 1000 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	18.5 kW & 750 L / 500 L	22 kW & 1125 L / 750 L	37 kW / 18.5 x 2 kW & 1500 L / 1000 L
Throughput / Concrete Discharge Height	30 m ³ / hr / 4 m	45 m ³ / hr / 4 m	60 m ³ / hr / 4 m
AGGREGATES STORAGE			
Type	In-line Bins	In-line Bins	In-line Bins
No. of Bins / Total Storage Capacity	4 No / 24 m ³	4 No / 24 m ³	4 / 5 Nos / 40 / 50 / 60 m ³
Maximum Aggregate Size / Maximum Quantity	40 mm / 20 %	40 mm / 20 %	60 mm / 20 %
VOLUME / WEIGHING CAPACITY			
Aggregate	850 L / 1190 kg with density 1400 kg/m ³	1800 L / 1650 kg with density 1400 kg/m ³	1800 L / 2520 kg with density 1400 kg/m ³
Cement	280 L / 350 kg	438 L / 525 kg	580 L / 700 kg
Water	180 L	250 L	300 L
Admixture	6 L	12 L	12 L
LOAD CELLS			
Aggregate	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No
CEMENT SCREW FEEDER			
Nominal Output	25 Tph	60 Tph	60 Tph
Diameter	168 mm	219 mm	219 mm
AIR COMPRESSOR UNIT			
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 160 L	2 STG, 2 CYL Reciprocating & 160 L	2 STG, 2 CYL Reciprocating & 220 L
ELECTRICAL LOAD			
Maximum Operational Load & Total Connected Load	50 kW & 70 kW	60 kW & 80 kW	82 kW & 110 kW
CONTROL PANEL			
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant		

TECHNICAL SPEC - IRB SERIES

DESCRIPTION	IRB 75	IRB 90	IRB 120
MIXER			
Model	ATS 1750 / 1250 Twin Shaft Mixer	ATS 3000 / 2000 Twin Shaft Mixer	ATS 4500 / 3000 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	22 x 2 kW & 1750 L / 1250 L	37 x 2 kW & 3000 L / 2000 L	55 x 2 kW & 4500 L / 3000 L
Throughput / Concrete Discharge Height	75 m ³ / hr / 4 m	90 m ³ / hr / 4.1 m	120 m ³ / hr / 4.1 m
AGGREGATES STORAGE			
Type	In-line Bins	In-line Bins	In-line Bins
No. of Bins / Total Storage Capacity	4 / 5 Nos / 40 / 50 / 60 m ³	4 / 5 Nos / 80 / 100 / 120 m ³	4 / 5 Nos / 80 / 100 / 120 m ³
Maximum Aggregate Size / Maximum Quantity	60 mm / 20 %	60 mm / 20 %	60 mm / 20 %
VOLUME / WEIGHING CAPACITY			
Aggregate	2250 L / 3150 kg with density 1400 kg/m ³	3600 L / 5040 kg with density 1400 kg/m ³	5400 L / 7560 kg with density 1400 kg/m ³
Cement	580 L / 700 kg	1200 L / 1440 kg	1500 L / 1800 kg
Water	300 L	750 L	900 L
Admixture	12 L	20 L	20 L
LOAD CELLS			
Aggregate	4 Nos	4 / 8 Nos	4 / 8 Nos
Cement	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No
CEMENT SCREW FEEDER			
Nominal Output	60 Tph	90 Tph	90 Tph
Diameter	219 mm	273 mm	273 mm
AIR COMPRESSOR UNIT			
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 220 L	2 STG, 2 CYL Reciprocating & 500 L	2 STG, 2 CYL Reciprocating & 500 L
ELECTRICAL LOAD			
Maximum Operational Load & Total Connected Load	90 kW & 115 kW	164 kW & 221 kW	210 kW & 271 kW
CONTROL PANEL			
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant		

TECHNICAL SPEC - IBP SERIES

DESCRIPTION	IBP 30	IBP 45	IBP 60	IBP 75
MIXER				
Model	APM 750 / 500 Planetary Mixer	ATS 1125 / 750 Twin Shaft Mixer	APM 1500 / 1000 Planetary Mixer / ATS 1500 / 1000 Twin Shaft Mixer	ATS 1750 / 1250 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume/Plastic Concrete)	18.5 kW & 7500 L / 500 L	22 x 2 kW & 11250 L / 750 L	37kW / 18.5 x 2 kW & 1500 L / 1000 L	22 x 2 kW & 1750 L / 1250 L
Throughput / Concrete Discharge Height	30 m ³ / hr / 4.0 m	45 m ³ / hr / 4.1 m	60 m ³ / hr / 4.1 m	75 m ³ / hr / 4.1 m
AGGREGATES STORAGE				
Type	In-line Bin	In-line Bin	In-line Bin	In-line Bin
No. of Bins / Total Storage Capacity	4 / 5 Nos / 40 / 50 m ³	4 / 5 Nos / 40 / 50 m ³	4 / 5 Nos / 40 / 50 m ³	4 / 5 Nos / 40 / 50 m ³
Maximum Aggregate Size / Maximum Quantity	40 mm / 20 %	40 mm / 20 %	60 mm / 20 %	60 mm / 20 %
VOLUME / WEIGHING CAPACITY				
Aggregate	3000 liters/4200 kg with density 1400 kg/m ³	3000 liters/4200 kg with density 1400 kg/m ³	3000 liters / 4200 kg with density 1400 kg/m ³	3000 liters/4200 kg with density 1400 kg/m ³
Cement	280 L / 350 kg	438 L / 525 kg	580 L / 700 kg	580 L / 700 kg
Water	180 L	250 L	300 L	300 L
Admixture	6 L	12 L	12 L	12 L
LOAD CELLS				
Aggregate Weighing	4 Nos	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No	1 No
CEMENT SCREW FEEDER				
Nominal Output	25 Tph	60 Tph	60 Tph	60 Tph
Diameter	168 mm	219 mm	219 mm	219 mm
AIR COMPRESSOR UNIT				
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 160 ltr	2 STG, 2 CYL Reciprocating & 160 ltr	2 STG, 2 CYL Reciprocating & 220 ltr	2 STG, 2 CYL Reciprocating & 220 ltr
ELECTRICAL LOAD				
Maximum Operational Load & Total Connected Load	49 kW & 70 kW	56 kW & 76 kW	78 kW & 100 kW	80 kW & 104 kW
CONTROL PANEL				
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS

Optional Items

Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant

TECHNICAL SPEC - IBP SERIES

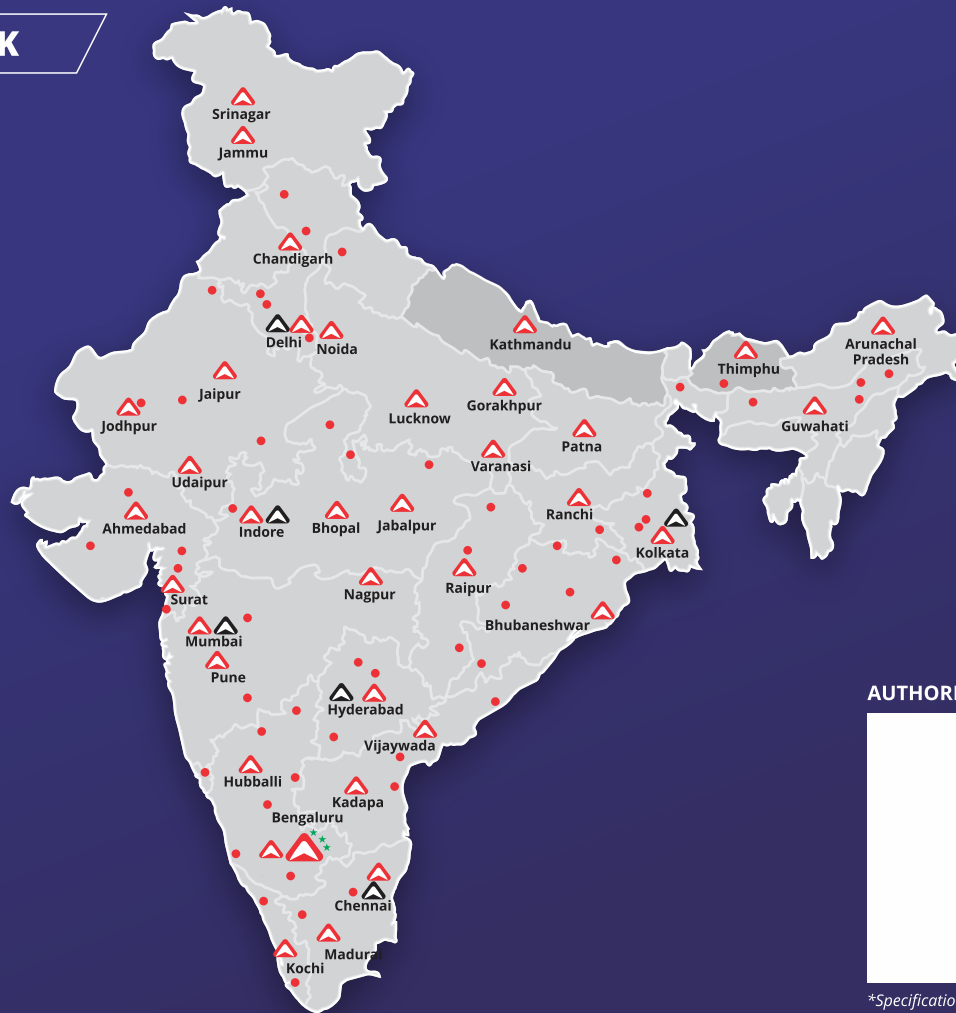
IBP 90	IBP 120	IBP 160	IBP 200	IBP 240
ATS 3000 / 2000 Twin Shaft Mixer	ATS 4500 / 3000 Twin Shaft Mixer	ATS 6000 / 4000 Twin Shaft Mixer	ATS 7500 / 5000 Twin Shaft Mixer	ATS 9000 / 6000 Twin Shaft Mixer
37 x 2 kW & 3000 L / 2000 L	55 x 2 kW & 4500 L / 3000 L	65 x 2 kW & 6000 L / 4000 L	90 x 2 kW & 7500 L / 5000 L	110 x 2 kW & 9000 L / 6000 L
90 m ³ / hr / 4.1 m	120 m ³ / hr / 4.1 m	160 m ³ / hr / 4.1 m	200 m ³ / hr / 4.1 m	240 m ³ / hr / 4.1 m
In-line Bins	In-line Bins	In-line Bins	In-line Bins	In-line Bins
4 / 5 / 6 Nos / 80 / 100 / 120 m ³	4 / 5 / 6 Nos / 80 / 100 / 120 m ³	4 / 5 / 6 Nos / 120 / 150 / 180 m ³	4 / 5 / 6 Nos / 120 / 150 / 180 m ³	4 / 5 / 6 Nos / 120 / 150 / 180 m ³
60 mm / 20 %	60 mm / 20 %	60 mm / 20 %	60 mm / 20 %	60 mm / 20 %
4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³
1200 L / 1440 kg	1500 L / 1800 kg	2000 L / 2400 kg	2000 L / 2400 kg	2000 L / 2400 kg
750 L	900 L	1200 L	1200 L	1200 L
20 L	20 L	30 L	30 L	30 L
4/8 Nos; 3500 kg, S Type	4/8 Nos	4/8 Nos	4/8 Nos	4/8 Nos
3 Nos; 1000 kg, SB type	3 Nos	3 Nos	3 Nos	3 Nos
3 Nos; 500 kg, SB type	3 Nos	3 Nos	3 Nos	3 Nos
1 Nos: 110 kg, SB type	1 No	1 No	1 No	1 No
90 Tph	90 Tph	110 Tph	110 Tph	110 Tph
273 mm	273 mm	323 mm	323 mm	323 mm
2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr
149 kW & 186 kW	211 kW & 298 kW	271 kW & 291 kW	313 kW & 351 kW	353 kW & 391 kW
SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS

Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant

UNMATCHED SERVICE NETWORK

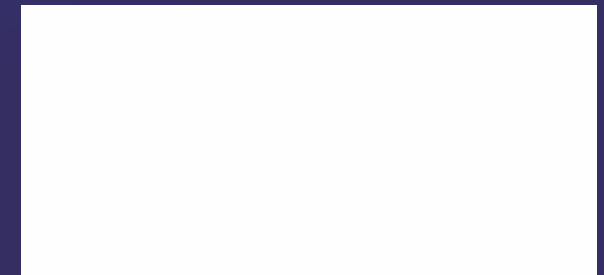
35+
Dealer
Locations

100+
Branch Offices



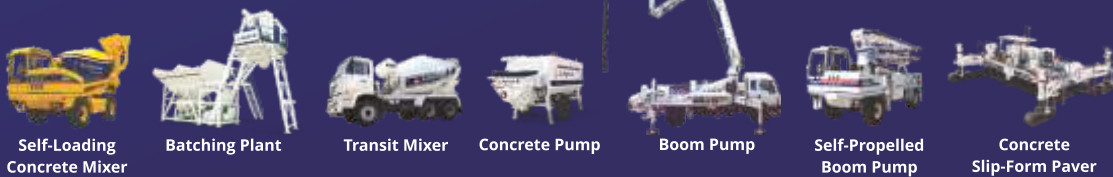
- AJAX Headquarters**
- Regional & Area Offices**
- Dealer Offices**
- Dealer Touch Points**
- Factory**

AUTHORISED DEALER



**Specifications are subject to change without prior notice, Product shown herein may include optional scope of supply. T&C Apply.*

The Next-Gen 360° Concreting Solutions



Self-Loading Concrete Mixer

Batching Plant

Transit Mixer

Concrete Pump

Boom Pump

Self-Propelled Boom Pump

Concrete Slip-Form Paver



Please Scan to know more about Ajax



Follow us on Toll Free No: **1-800-419-0628** www.ajax-engg.com

Reg. Off.: **AJAX Engineering Pvt. Ltd.**, #253/1, 11th Main, 3rd Phase, Peenya Industrial Area, Bengaluru - 560 058. CIN No: U28920KA1992PTC013306 | T: +91 80 6720 0082, 6720 0083 | Email: customercare@ajax-engg.com