



IRB SERIES

IRB 30 | IRB 45 | IRB 60 | IRB 75 | IRB 90 | IRB 120



SELF LOADER



BATCHING PLANT



TRANSIT MIXER



CONCRETE PUMP



BOOM PUMP



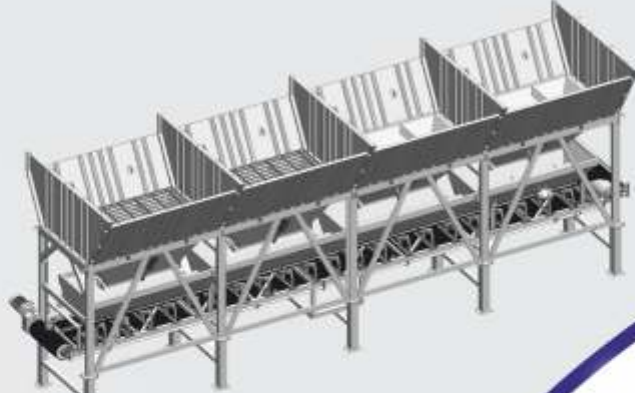
SPBP



PAVER



IRB SERIES



Inline Bins & Weighing Hopper

- Higher bin capacity for storage of aggregates.
- Aggregate weighing hopper for weighing aggregates conveys to loading chute/skip.

Skip Conveyor

- Aggregate charging to the mixer is carried out by skip/ belt conveyor.



Load Cells

- CE approved load cells



Additive Batching

- By gravimetric method



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.



Planetary Mixer

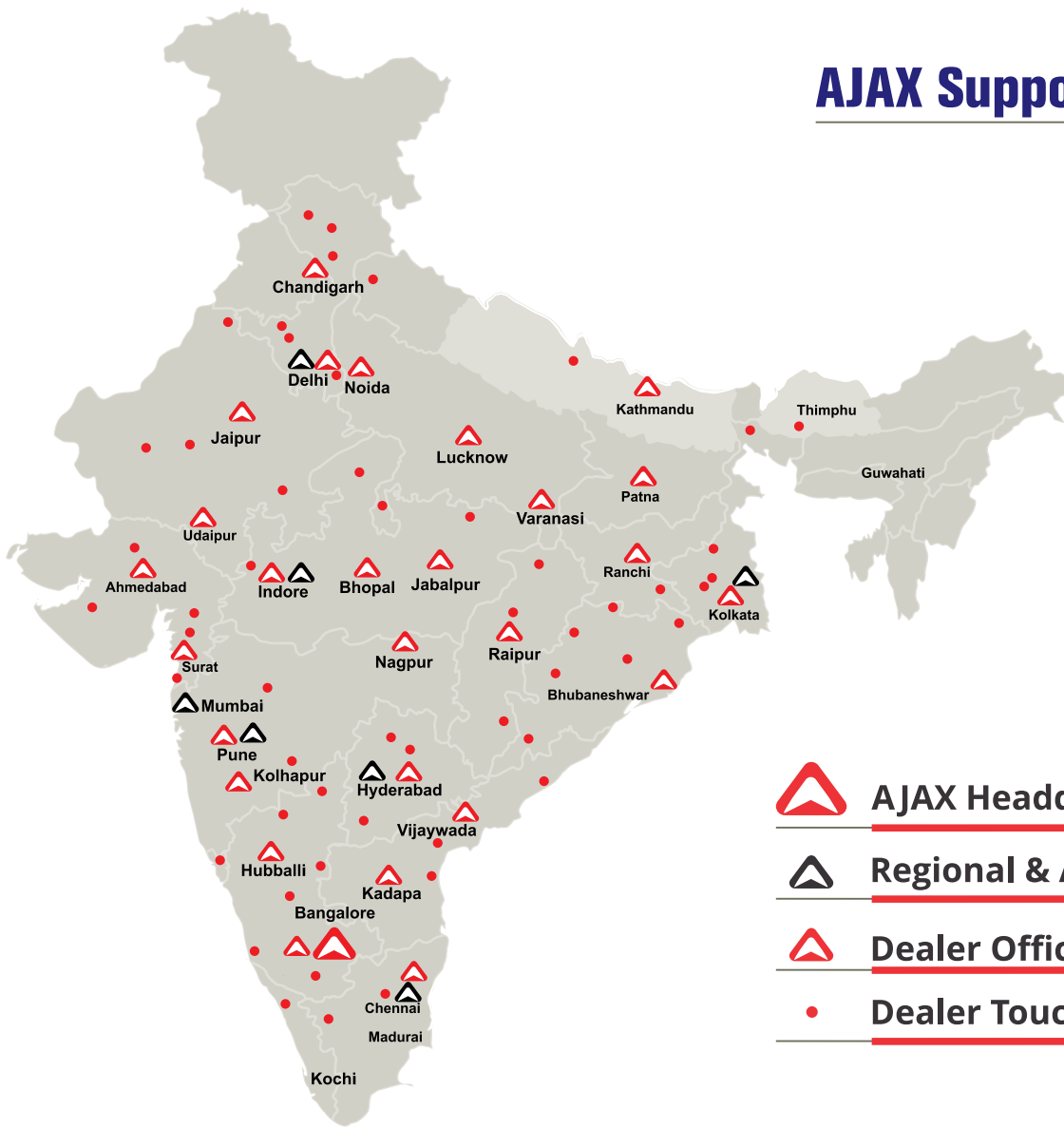
- Optimal mixing time with faster discharge.
- Lower power consumption.
- Interchangeable wear resistant lining.
- Reversible mixing blades.
- Round mixing arms with Ni-Cr Steel.



Technical Specification

Description	IRB 30	IRB 45	IRB 60	IRB 75	IRB 90	IRB 120
Mixer						
Model	EPM 750/500 Planetary Mixer	ATS 1125/750 Twin shaft mixer	EPM 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
Mixer Capacity (Filling Volume / Plastic Concrete)	750 L/500L	1125 L/750L	1500L/1000L	1750L/1250L	3000L/2000L	1750L/1250L
Mixer Motor	18.5 kW	22 kW	37 kW/18.5X2 kW	22 X 2 kW	37 X 2 kW	55 X 2 kW
Throughput	30 m3/hr	45 m3/hr	60 m3/hr	75 m3/hr	90 m3/hr	120 m3/hr
Maximum Aggregate Size/ maximum quantity	40mm / 20%	40mm / 20%	60mm / 20%	60mm / 20%	60mm / 20%	60mm / 20%
Concrete Discharge Height	4 m	4 m	4 m	4 m	4.1 m	4.1 m
Aggregate Storage						
Type	In-line Silos	In-line Silos	In-line Silos	In-line Silos	In-line Silos	In-line Silos
No. of Bins	4/5 nos	4/5 nos	4/5 nos	4/5 nos	4/5/6 nos	4/5/6 nos
Total Storage Capacity	40/50 Cum	40/50 Cum	40/50 Cum	40/50 Cum	80/100/120 Cum	80/100/120 Cum
Volume/Weighing Capacity						
Aggregate	850 ltr / 1190 kg with density 1400 kg / m3	1180 ltr / 1650 kg with density 1400 kg / m3	1800 ltr / 2520 kg with density 1400 kg / m3	2250 ltr / 3150 kg with density 1400 kg / m3	3600 ltr / 5040 kg with density 1400 kg / m3	5400 ltr / 7560 kg with density 1400 kg / m3
Cement	280 ltrs/350 kg	438 ltrs/ 525 kg	580 ltrs / 700 kg	580 ltrs / 700 kg	1200 ltr/ 1440 kG	1500 ltrs/1800 kg
Water	180 ltr	250 ltrs	300 ltrs	300 ltrs	750 ltr	900 ltrs
Admixture	6 ltrs	12 ltrs	12ltrs	12ltrs	20 ltr	20ltrs
Load Cells						
Aggregate Weighing	4 Nos: 2000 kG, S type	4 Nos: 2000 kG, S type	4 Nos: 2000 kG, S type	4 Nos: 2000 kG, S type	4/8 Nos: 3500 kg, S Type	4/8 Nos: 3500 kg, S Type
Cement Weighing	3 Nos: 500 kG, SB 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	3 Nos: 1000 kg, SB type
Water Weighing	3 Nos: 500 kG, S type	3 Nos: 500 kG, SB type	3 Nos: 500 kG, SB type	3 Nos: 500 kG, SB type	3 Nos: 500 kg, SB type	3 Nos: 500 kg, SB type
Admixture Weighing	1 Nos: 50 kG, SB type	1 Nos: 50 kG, SB type	1 Nos: 110 kG, SB type	1 Nos: 110 kG, SB type	1 Nos: 110 kG, SB type	1 Nos: 110 kG, SB type
Cement Screw Feeder						
Nominal Output	25 Tph	60 Tph	60 Tph	60 Tph	90 Tph	90 Tph
Length	10m	10m	10m	10m	12m	12m
Diameter	168mm	219mm	219mm	219mm	273mm	273mm
Motor Power	7.5kW	9.2kw	9.2kw	9.2kw	18.5 kW	18.5 kW
Air Compressor Unit						
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	160 ltr	160 ltr	220 ltr	220 ltr	500 ltr	500 ltr
Load						
Maximum Operational Load	48.5 kW	60 kW	82 kW	91 kW	164 kW	210 kW
Total Connected Load	70 kW	80 kW	110 kW	115 kW	221 kW	271 kW
Control Panel						
Control Panel	IDS KILO SCADA panel with PC, Printer & UPS	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	IDS MEGA PLUS SCADA panel with PC, Printer & UPS

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Toll Free Number
1800 4190 628

Corporate Office:

AJAX ENGINEERING PVT. LTD.

No. 253/1, 11th Main, Phase III, Peenya Industrial Area
Bengaluru - 560 058, Karnataka, India

CIN # U28920KA1992PTC013306

T : + 91 80 6720 0082/ 6720 0083

E : customercare@ajax-engg.com

W : www.ajax-engg.com

Factory:

AJAX ENGINEERING PVT. LTD.

Plot No. IP 9-11, 17 & 18, Gowribidanur Industrial Area
Kudumalakunte Village, Gowribidanur - 561 598
Karnataka, India.

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**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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BATCHING PLANT



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CONCRETE PUMP



BOOM PUMP



SP8P



PAVER