

Trusted Name for

Concrete Technology **Stronger &
Safer Tomorrow**



Reversible Batching Plant

SALIENT FEATURES

- Can handle upto 40 mm. down aggregate size.
- Higher accuracy because of higher capacity and more no. of load cells .
- 20 cum/hr concrete output with a mixing time of 90 seconds in continuous operation.
- Mixing through reversible drum mixer .
- Can shift mobile batching plant by toeing with tractor.
- Fully automatic PLC control system HMI.
- Separate weighing for aggregate, water and cement, with higher accuracy.
- Size is very compact & no need make heavy ramp for dumping material.
- Easy maintenance and low running cost.



SPECIFICATIONS OF PLANT

Bins :

- Aggregate storage bin 4 nos. partition type.
- Total storage 12 cum each 3 cum.
- Electrical unbalance vibrator for stand.

Cement Hopper :

- Beam shearing type 3 load cell.
- Weighing hopper 200 kg.
- Storage hopper 30 bag capacity.
- Ø168 mm 4.5 mtr. length screw conveyor.

Admixture Weighing System: (Optional)

- Timer base auto system.
- Admixture Dosing Pump 0.5 hp

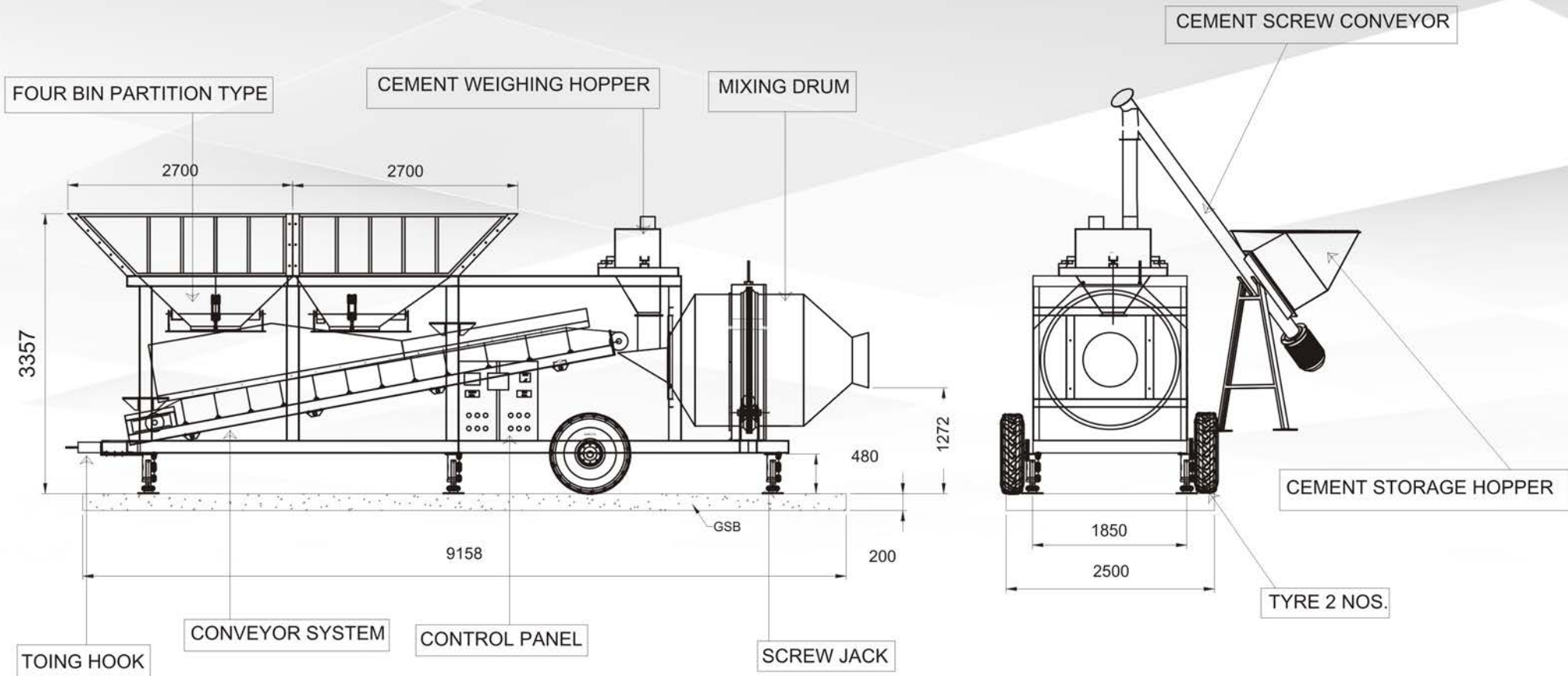
Air Compressor :

- 2 HP Motor
- Working Pressure 10 Bar
- Compressed Air Tank 90 Ltrs.

Water Weighing System :

- Timer base water auto system
- 1 HP centrifugal water pump

REVERSIBLE BATCHING PLANT (ARD-20)



AMRUTA ARD 20	
Mixer Type	Reversible Drum
Batch Capacity	0.5 Cum
Batch Cycle Time	90 Sec.
Total Batches Per Hour	40 Max.
Prime Mover for Mixer	12.5 HP Electrical Motor
Plant Assembly	On Heavy Duty Single Chassis
Total Wheels	2 No. of Pneumatic Wheels
Concrete Discharge Height	1.2 Meter From the Ground Level
Gate Operating System for Feeder	Pneumatic Control System
Total Pneumatic Cylinders	4 Nos.

POWER		
SR. NO.	Model AMI RDMB 20	Power Kw
1	Mixer Drum	9.2
2	Aggregate Conveyor	5.5
3	Screw Conveyor	4
4	Compressor	1.5
5	Water Discharge Pump	0.75
6	Ad Mixer Dozing Pump	0.5
7	Vibrator	0.36
Total		22 Kw
Recommended DG		40 KVA

CONTROL PANEL

- PLC Based Control System.
- 4 Digital Displays for various Components
- Possibility to enter 4 aggregate, 2 Cement, 1 Mixing Water and one Admixture Components.
- Emergency Cut out switch.
- HMI and Operating elements on the board front door.
- Production data back up on pen drive memory.
- Possibility to switch over to manual operation.
- Option for printer interface for full day record.



Stationary with Twin Shaft
AST - 30 / 45 / 60 / 75



Compact Model with Pan Mixer
ACP - 20 / 30



Mobile with Pan Mixer
AMP - 20 / 25 / 30



Mobile with Twin Shaft
AMT - 20 / 25



Canal Paver



Screed Paver



Concrete Road Paver
(Fix Form Paver)



Silo and Accessories



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SME Rating Agency of India Ltd.

Note : In accordance with its policy of constant development, Amruta reserves the right to change materials, specifications and models without prior notice.

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