



Trusted Name for

Concrete Technology **Stronger &  
Safer Tomorrow**



**Concrete Batching Plant**

[www.amrutaengineers.net](http://www.amrutaengineers.net)

## Stationary Concrete Plant

In our Stationary Concrete Plants, the aggregates are stored in horizontal bins. The gathering conveyor belt runs below the bins where weighing of aggregates takes place and the aggregate then discharged on the charging conveyor. Pneumatically operated gates are provided for discharge of the aggregate on to the gathering conveyor. The material is all weighed accurately and transferred to the twin shaft mixer through slinger conveyor. These pneumatics used are of reputed make which ensure long life and superior performance for your machine.



## Modular Stationary Plant with Effective Output

The most advance features of Amruta concrete batching plant. Its compact and modular design provides fast and easy erection and dismantles at site. All welded frames and structure are assembled at our works for easy installations at site with ordinary "Pick & Carry" crane.

## Modern Designing Technology



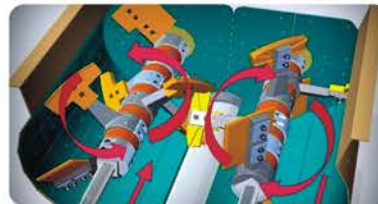
Amruta Batching Plant and twin shaft mixers are designed, constantly improved and analyzed with the use of three-dimensional advance 3D modeling software.

Twin shaft mixer is machined on imported boring machine which guarantee the perfect alignment parallelism, increases bearing life and stop slurry for reduced maintenance.

## Robust Design with High Performance Oriented Plant

We have glowing heritage & much experience in designing with latest technology & manufacturing facility. We produce high robustness and reliable equipments which performs its best in any environmental condition.

## Liner Plates Performance



Ni-hard cast iron tiles give many times the life of abrasion resistance steel linear plates reducing lifetime cost compared to pan & planetary mixers. Strong extra thick and rib design in Ni-hard chill cast material paddles.

## Low Maintenance & Economic Efficiency

Amruta Engineer modular designed Batching Plant can be installed with minimum civil work and require very small installation space, it leads minimum cost of ramp customers saving civil work, reduce consumption of diesel of loading equipments JCB/Loader. Notable features are reduced wearing, simple maintenance and low energy consumption.

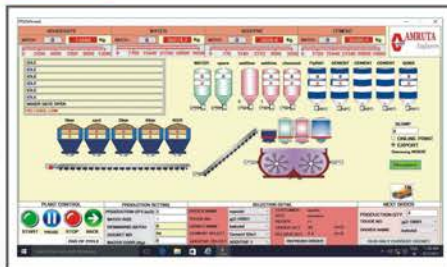
## Perfect Mixing



The twin shaft mixer is the most advance solution. Its capable of handling from high to zero slump concrete. The distance is accomplished by a pneumatic cylinder for fast & complete discharge. It's advance technologies for ready mix pre cast concrete industries where a large volume of high quality concrete is produced.

SR. NO.	DETAILS	AST 30	AST 45	AST 60	AST 75
1	Concrete Theoretical Output/hour (under ideal and continuous operation condition)	30 cum	45 cum	60 cum	75 cum
2	Aggregate Storage Bins (3 nos.) One Bin (sand) with vibrator	Inline 4 nos each capacity 8 cum	Inline 4 nos each capacity 8 cum	Inline 4 nos each capacity 10.5 cum	Inline 4 nos each capacity 10.5 cum
3	Aggregate charging conveyor system weighing with electromagnetic 'S' type load cell.	4 nos	4 nos	4 nos	4/5/6 nos
4	Charging Conveyor	Chevron type	Chevron type	Chevron type	Chevron type
5	Mixer Unit	Twin Shaft (0.5 M3)	Twin Shaft (0.75 M3)	Twin Shaft (1 M3)	Twin Shaft (1.25 M3)
6	Cement/Filter Weighing System Electromagnetic 'S' type load cell	3 nos	3 nos	3 nos	3 nos
7	Cement Weighing Hopper with Vibrator	300 kg.	450 kg.	600 kg.	750 kg.
8	Water weighing system Electromagnetic load cell	1 nos	1 nos	3 nos	3 nos
9	Water Weighing Hopper	180 Ltr.	300 Ltr.	400 Ltr.	500 Ltr.
10	Admixture weighing system Electromagnetic 'S' type load cell	1 nos	1 nos	1 nos	1 nos
11	Water Sprinkling/Gravity Discharge	Yes	Yes	Yes	Yes
12	Maximum Aggregate Size	40 mm	60 mm	80 mm	80 mm
13	Cement Filling Hopper with Vibrator	1 cum	1 cum	1 cum	1 cum
14	Cement Screw Conveyor	Ø168	Ø219	Ø219	Ø219
15	Air Compressor	3HP	5HP	7.5HP	10HP
16	Control System	Automatic PLC	Automatic PLC	Automatic PLC	Automatic PLC
17	Discharge Height	4 mtr	4 mtr	4 mtr	4 mtr
18	Connected Power	48 kw	59 kw	72 kw	85 kw

### SCADA



Fully automatic PLC control system with SCADA for inventory management and different report generation. Any types of faults and errors will be diagnosed by the control system.

- Provides access to reports and live batch production data.
- Concrete is always produced as per exact specifications.
- Real time information available online at any location.
- Secure servers and user management for data security.
- Batch lists may be viewed by customer name and site.

### Electric Panel



- PLC Based Control System.
- 4 Digital Displays for various Components
- Possibility to enter 4 aggregate, 2 Cement, 2 Mixing Water and one Admixture Components.
- Automatic material in air compensation.
- 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.
- SCADA Software for More Reporting (Optional)

### Chevron Belt



- Slinger conveyor is for transfer of aggregates from gathering conveyor to the mixing unit.
- Low running maintenance cost.



Reversible Batching Plant  
ARD - 20



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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**Our Group of Companies :**

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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.

AN ISO 9001:2008 CERTIFIED COMPANY

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