

CONCRETE PLANT



MOBILE PLANT VARIANTS:
AMCB 10 (10 m³/hr.), AMCB 15 (15 m³/hr.), AMCB 20 (20 m³/hr.) AMCB 25 (25 m³/hr.)
Capacities above 25 m³/hr. are tailor made.



ATLAS INDUSTRIES

ATLAS is one of INDIA'S leading manufacturers of road and civil construction machinery. We specialize in delivering professional-grade solutions for customers.

ATLAS INDUSTRIES is an ISO 9001 : 2008 company engaged in design, development, manufacturing, marketing and servicing a complete line of Asphalt Drum Mix Plants, Wet Mix Macadam Plants, Concrete Batch Mix Plants, Bitumen Pressure Distributors and Mechanical Brooms.

WHEN YOU WORK WITH US, YOU CAN EXPECT:

PROFESSIONALISM: We're dedicated to providing exceptional service to our clients by being responsive, effective, and reliable.

PERSISTENCE: We do things the right way, even when it's the hard way. We'll always seek to do what's best for you and your company.

PRECISION: We're proud of every job we do.

EXPERIENCE: With 30+ years of experience in manufacturing road construction equipments we know exactly what we're doing.

QUALITY: The best quality products in the business.



AGGREGATE FEEDER

A 2 x 2 type aggregate feeder is standard with the plant. Aggregate feeder comes with pneumatic operated gates and two vibratory motors. Mesh is provided on the sand bin.

A standard air compressor is provided. Feeder gates, mixer gates and butterfly valve opening and closing is controlled by air compressor. The air compressor is very neatly placed on the chassis near feeder of the plant so that it is easy to maintain and transport.



FOLDABLE EXTENSION PLATES SAND BIN WITH A MESH



PNEUMATIC CYLINDER



VIBRATORY MOTOR

AIR COMPRESSOR



GATHERING SUSPENDED ON LOAD CELLS

GATHERING CONVEYOR

A gathering conveyor is suspended on four load cells of suitable capacity. The task of the gathering conveyor is to weigh and transfer aggregates collectively to the slinger conveyor belt.

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SLINGER CONVEYOR

Slinger conveyor is embedded in the space between feeder and the mixing drum.

Slinger conveyor is provided with idler rollers and return rollers.



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WEIGHING SYSTEM

Cement weighing hopper is mounted on 3 load cells. A pneumatic operated butterfly valve is fitted for discharge. The cement weighing hopper is provided with pneumatic vibrator and two inlets for two screw conveyors. Water tank is supported on single load cell with pneumatic operated butterfly valve and its gate is with rubber gasket at the bottom. Admixture flask of standard capacity is fitted with feeding pump. Cement is fed from SILO to the cement weighing hopper.



MOTOR FOR WATER



BUTTERFLY VALVE



LOAD CELL



RUBBER GASKET



ADDITIVE TANK



PNEUMATIC VIBRATOR



REVERSIBLE DRUM MIXER

Mixing drum is carved out with extreme precision considering that it is subjected to most torture. The flights are designed to throw out even the smallest particle out of the mixing drum.

Mixing is done when the drum moves in forward (clockwise) direction and in the backward (anti clockwise) direction, the material is thrown out.

Good mixing in a short time is the characteristic feature of the drum.

Mixing drum drive motor is connected to gear box by a V-belt pulley to drive the mixing drum. It minimizes vibration and is also less on maintenance.



GEAR DRIVE FOR DRUM



V-BELT

CEMENT STORAGE & TRANSFER

We have two options for cement storage and transfer:

- Cement silo's
- 30 bag cement hopper.



CEMENT STORAGE SILO – 50 T, 100 T, 150 T



30 BAG CAPACITY CEMENT HOPPER WITH WAM (ITALY) MAKE SCREW CONVEYOR



CONTROL PANEL

Fully computerized cabin with PLC based control panel (SCADA optional) are a standard on ATLAS plant.

Software which is very user friendly ensures top notch performance.

Proxy switches for each controls. Display of the entire process of control parameters.

Provision for printing entire data like mix proportion, batch weigh, total no. of batches, sub total, gross total.

Preset batch controls the number of batches for transit mixer.

Provision to store, edit production details, and mix proportions up to 99 recipes.

Auto and manual modes.



PLC DISPLAY

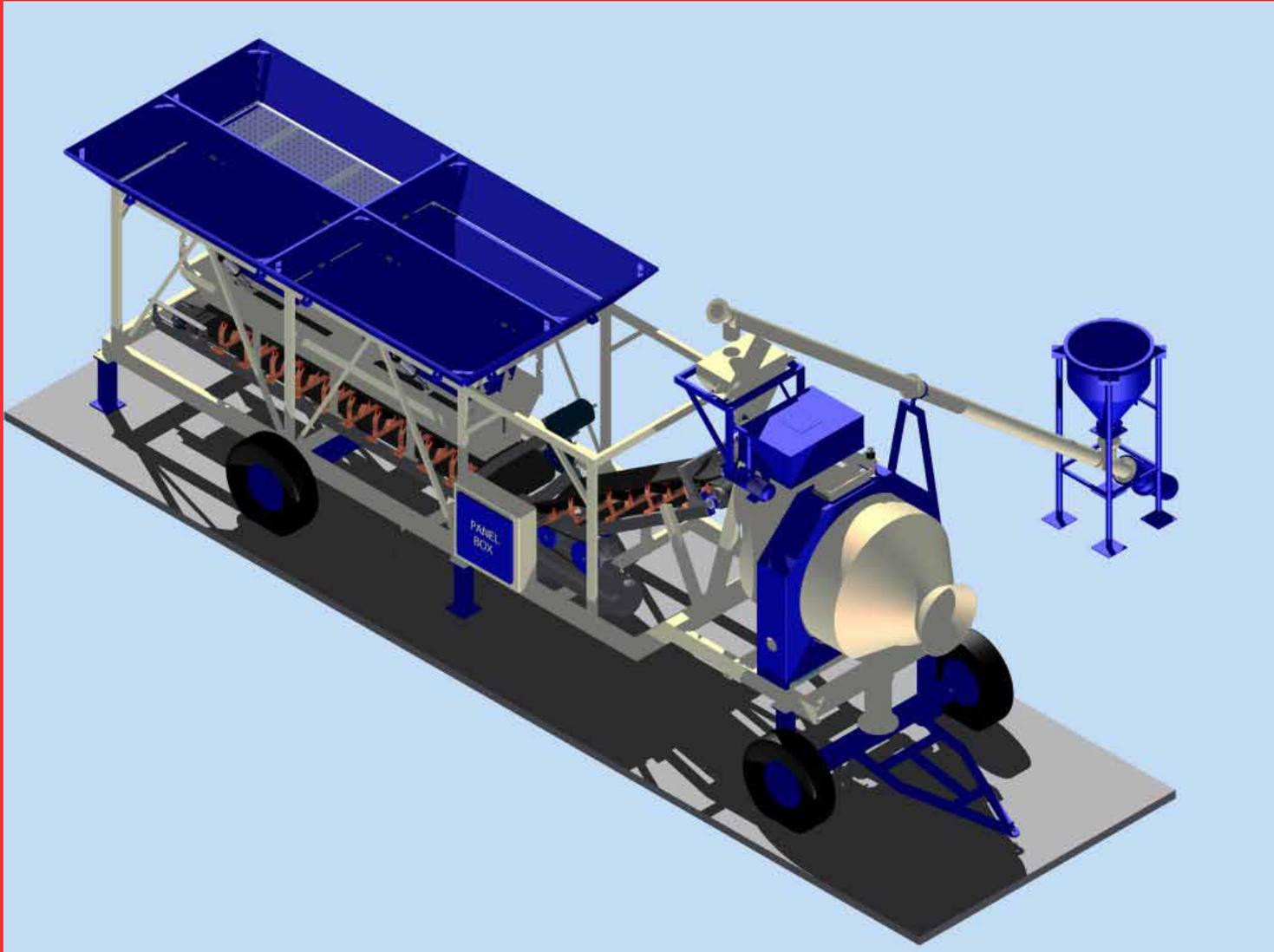


QUICK ASSESSIBLE LOCATION



EASY TO USE PANEL

PLANT LAYOUT



WORLDWIDE KNOWN AND RELIABLE COMPONENTS ON ATLAS CONCRETE BATCHING PLANTS.



OTHER CONCRETE PLANTS



MOBILE CONCRETE BATCHING PLANT WITH IN-BUILT SILO

This design mobile plant is available in the capacities:
20 m³/hr. | 30 m³/hr. | 45 m³/hr. | 60 m³/hr.

This plant is ideal for contractors who get cement by bulkers as this plant comes with an inbuilt SILO of 18 Tons capacity.
In-built SILO will aid easy transportation and quick assembling and disassembling of the plant.
Plant comes with panel inside a foldable control cabin.
Only one conveyor belt reduces maintenance.
Latest mixing device – Twin shaft mixer

MOBILE CONCRETE BATCHING PLANT WITH SEPARATE SILO HOPPER

This design mobile plant is available in the capacities:
20 m³/hr. | 30 m³/hr. | 45 m³/hr. | 60 m³/hr.

This plant is ideal for contractors who get cement by bag as this plant comes with a separate SILO hopper of 30 bags (1500 kgs.) capacity.
Plant comes with panel inside a foldable control cabin.
Only one conveyor belt reduces maintenance.
Latest mixing device – Twin shaft mixer



STATIONARY CONCRETE BATCHING PLANTS

Available in the capacities:

30 m³/hr. | 45 m³/hr. | 60m³/hr. | 90 m³/hr.

120 m³/hr. | 150 m³/hr. | 200m³/hr.

Comes with latest mixing device – Twin shaft mixer

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