

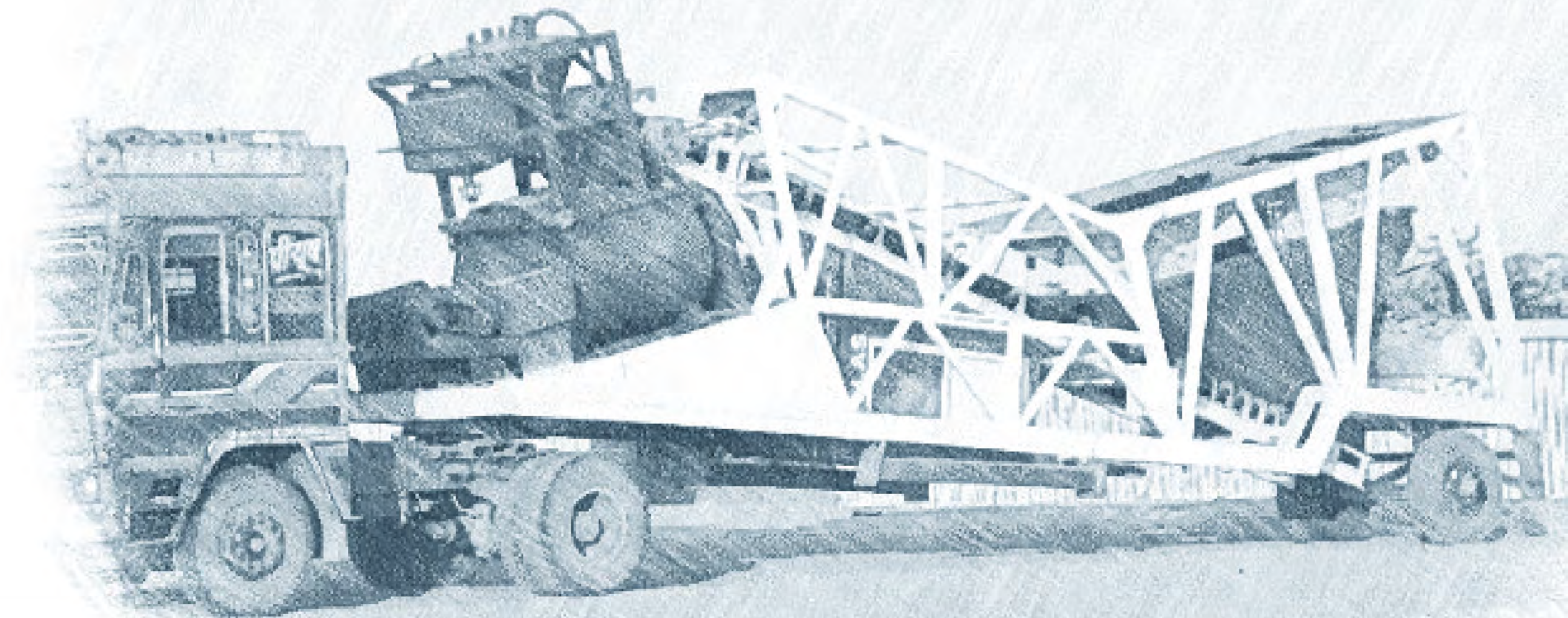


**ATLAS
EQUIPMENTS**



MOBILE CONCRETE BATCH PLANT

FEATURES





TWIN SHAFT, PLANETARY AND PAN MIXERS AVAILABLE



PREWIRED AND FACTORY TESTED.



CONTAINERIZED DESIGN AND MODULAR STRUCTURE



LESS FOUNDATION COSTS COMPARED TO STATIONARY PLANTS.



INBUILT AND FOLDABLE CONTROL CABIN.



DIRECT LOADING OF MIX MATERIAL INTO A TRANSIT MIXER.



CONTROL PANEL IS PLC TYPE & SAME AS STATIONARY PLANTS



PLUG AND PLAY CONCEPT FOR FAST INSTALLATION AND QUICK SETUP.



LOW SET UP AND LOW OPERATING COSTS.



EASY TO TRANSPORT COMPARED TO STATIONARY PLANTS.



4 BINS FOR AGGREGATE & SAND LIKE STATIONARY PLANT.



OPTIONAL SCADA ALSO AVAILABLE.



CHASSIS WITH JUNCTION BOX, PNEUMATIC BRAKING & KING PIN ATTACHMENT.



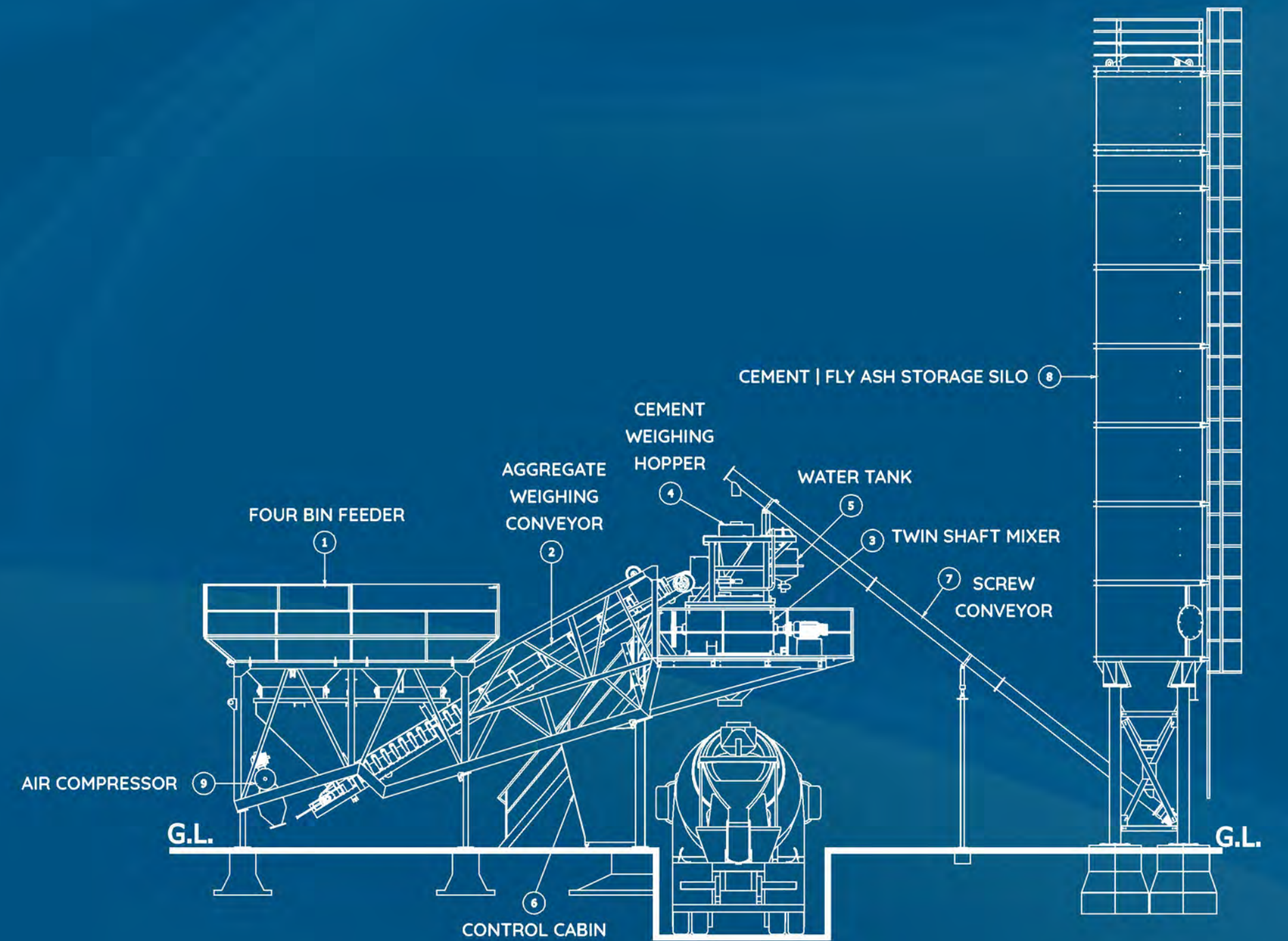
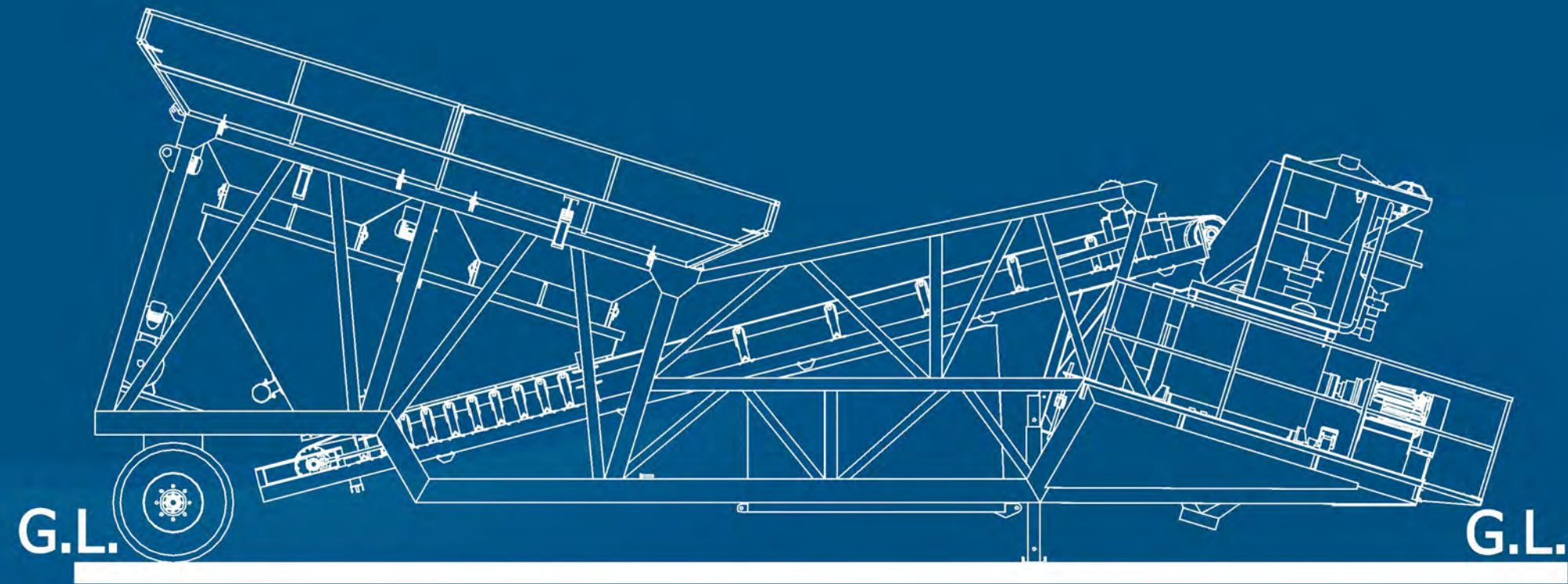
DRY AND WET MIX PLANTS AVAILABLE.



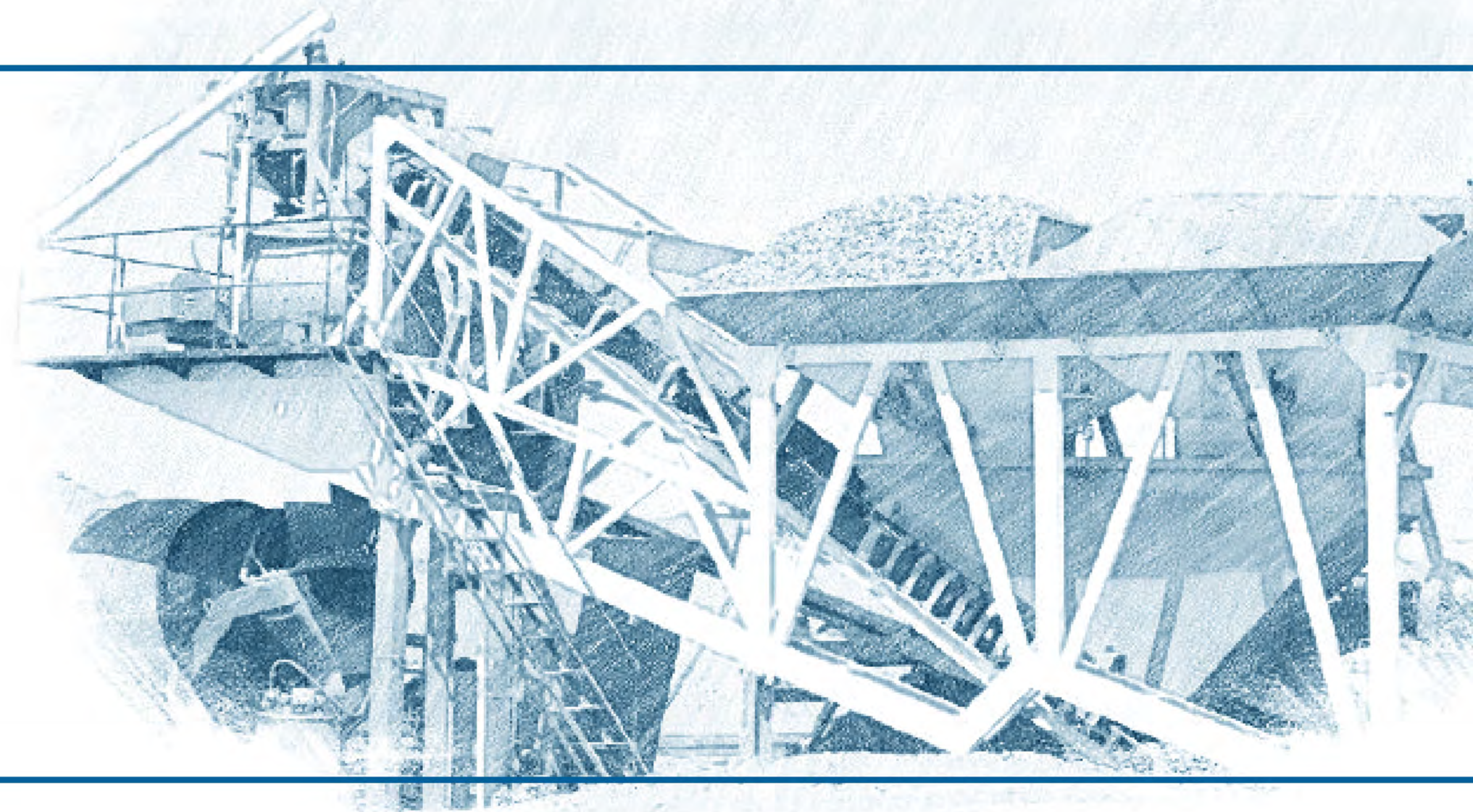
ADVANTAGE OF MOBILITY AS TIME & EFFORTS REQUIRED ARE LESS.

LAYOUT

PLANT CAPACITY
20 m³ / hour to 60 m³ / hour



COMPONENTS





AGGREGATE FEEDER

2 x 2 bin type aggregate feeder of portable batching plant comes with suitable aggregate storage capacity as per the capacity of the machine. The aggregate feeder comes with pneumatic operated gates and vibratory motor on the sand bin for allowing free flow of aggregates. Aggregate weigh conveyor does the aggregate weighing and is suspended on load cells. Aggregate weigh conveyor does the task of weighing and transferring of aggregates to the mixing unit.



WEIGHING & DISCHARGE CONVEYOR

Weighing cum discharge conveyor supplied with Atlas mobile concrete plant is suspended on four load cells. It is equipped with a Chevron type belt to enable the free flow of aggregates to the twin shaft mixer. The conveyor comes with a bottom cover for the safety of personnel working near the plant.



AIR COMPRESSOR

An air compressor of suitable capacity comes as a standard package. Air compressor controls feeder gates, mixer gates, and butterfly valve opening and closing mechanism. Air compressor is already connected from the factory so that no time is wasted and the plant can be made to run in quick time. The placement of the air compressor is very neat and on the chassis near the feeder making the AMCB series of Atlas ready mix concrete batch mix plant extremely easy to maintain and transport.



MIXING UNIT

Once the aggregates are weighed, they get transferred to the mixing unit. These twin shaft mixers are equipped with wear resistant pedal arms and shell is reinforced with replaceable high wear resistance Ni hard liners for long life of the equipment. The liner plates, arms and tips are designed to work for long life. Easy replaceable liner plates, arms and tips makes maintenance easy. Aggregates, water, cement and additives are discharged after the weighing into the twin shaft mixer for homogeneous mixing. The pneumatic system discharges the batch only after proper and homogeneous mixing of all the materials in the mixing unit.



WEIGHING SYSTEM

Weighing system consists of separate weighing arrangement for cement, water and additive.

Cement weighing hopper is mounted on three load cells. Whereas, water weighing hopper is mounted on two load cells. The weighing hopper for additive is mounted on one load cell.

The gates are provided with pneumatic actuators to enable gate opening-closing, to add the exact quantity of cement / water / additive after measurement.



PLC CONTROL PANEL

PLC based touch screen type (SCADA Optional) panel board is a standard supply. Colour display ensures that operating the plant is fun. The control panel comes with provision to store, edit production details and mix proportions up to 99 recipes. The control panel supplied comes with printing facility (Printer optional) and USB back up facility. Touch screen is easy to use with user friendly software. The panel can be run on both auto and manual modes.



CONTROL CABIN

Control cabin houses the control panel. This control cabin is designed so that the plant is mobile in maximum way. Control cabin is attached to the main chassis and is fold able during transportation.



CEMENT SILO & HOPPER

The standard equipment is offered with a 1500 kgs (30 bags) cement hopper with vibrating motor and a screw conveyor. Vibrating motor will ensure that cement does not get stuck and flows freely. Screw conveyor takes the cement from the hopper into the cement weigh hoppers situated on top of the mixing unit.

Separate silo for adding cement or for fly ash is also available.

The weigh hopper for cement has two inlets meaning it can take two screw conveyors. Cement / fly ash can be transferred from hopper or silo into the weigh hoppers.



HORIZONTAL SILO

Horizontal cement silo is advantageous if height is a constrain our you want the plant to operate inside a shade. A horizontal cement silo comes in capacities 20 tons / 30 tons / 40 tons. All safety accessories are supplied with the same. Though our standard configuration plant comes with a cement hopper, addition of a horizontal silo can ease up tension and allow tension free adding of cement.



TRANSPORTATION

The AMCB series of concrete batch mix plants is very easy and convenient to transport all thanks to king pin attachment and pneumatic braking system available. An option of towing attachment by tractor is also available.

During transportation, the cabin fully collapses as seen in the picture.



ALL PRODUCTS *



ATLAS GLOBAL INSTALLATIONS



ATLAS EQUIPMENTS

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