

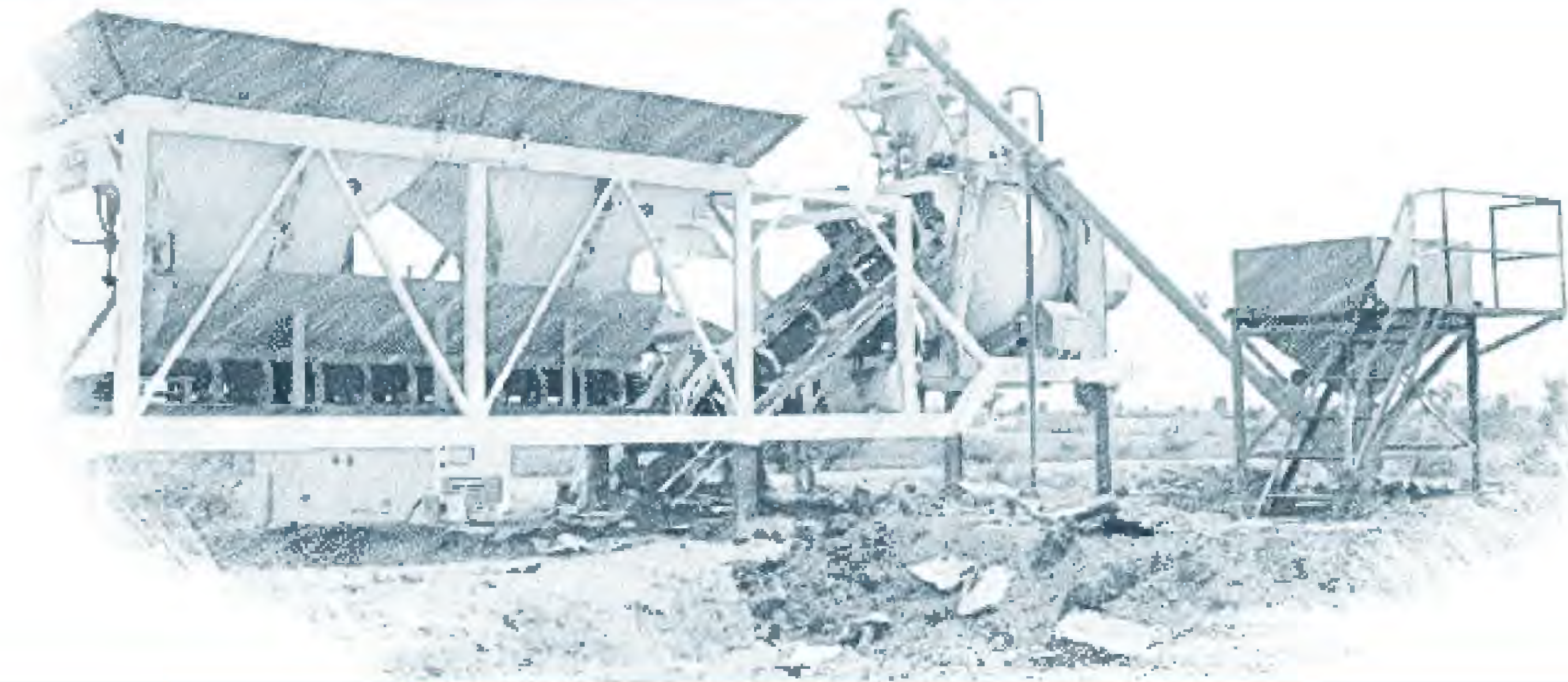


**ATLAS
EQUIPMENTS**



PORTABLE CONCRETE PLANT

FEATURES





CONTAINERIZED DESIGN FOR SMALL
AND MEDIUM SITES



SIMPLE DESIGN - NO HASSLES
IN FOUNDATION



CENTRALIZED LUBRICATION
SYSTEM FOR MIXING UNIT



PANEL FITTED ON CHASSIS OR
EVEN IN A SEPARATE CONTROL CABIN



MIXING UNIT IS LOW AND HENCE
EASY TO MAINTAIN



PLC CONTROL PANEL



PLUG AND PLAY CONCEPT AS UNIT IS
PRE-WIRED WITH JUNCTION BOX



MAINTENANCE FREE DESIGN -
PROMISES LOW OPERATING COST



4 BINS FOR AGGREGATE & SAND



OPTIONAL SCADA ALSO
AVAILABLE



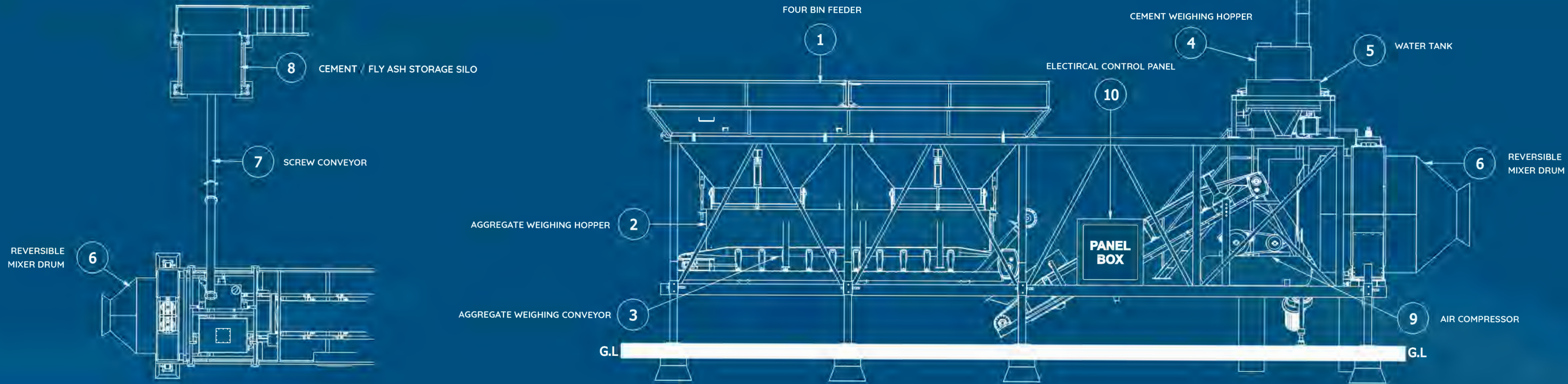
TESTED AT OUR FACTORY
BEFORE DISPATCH



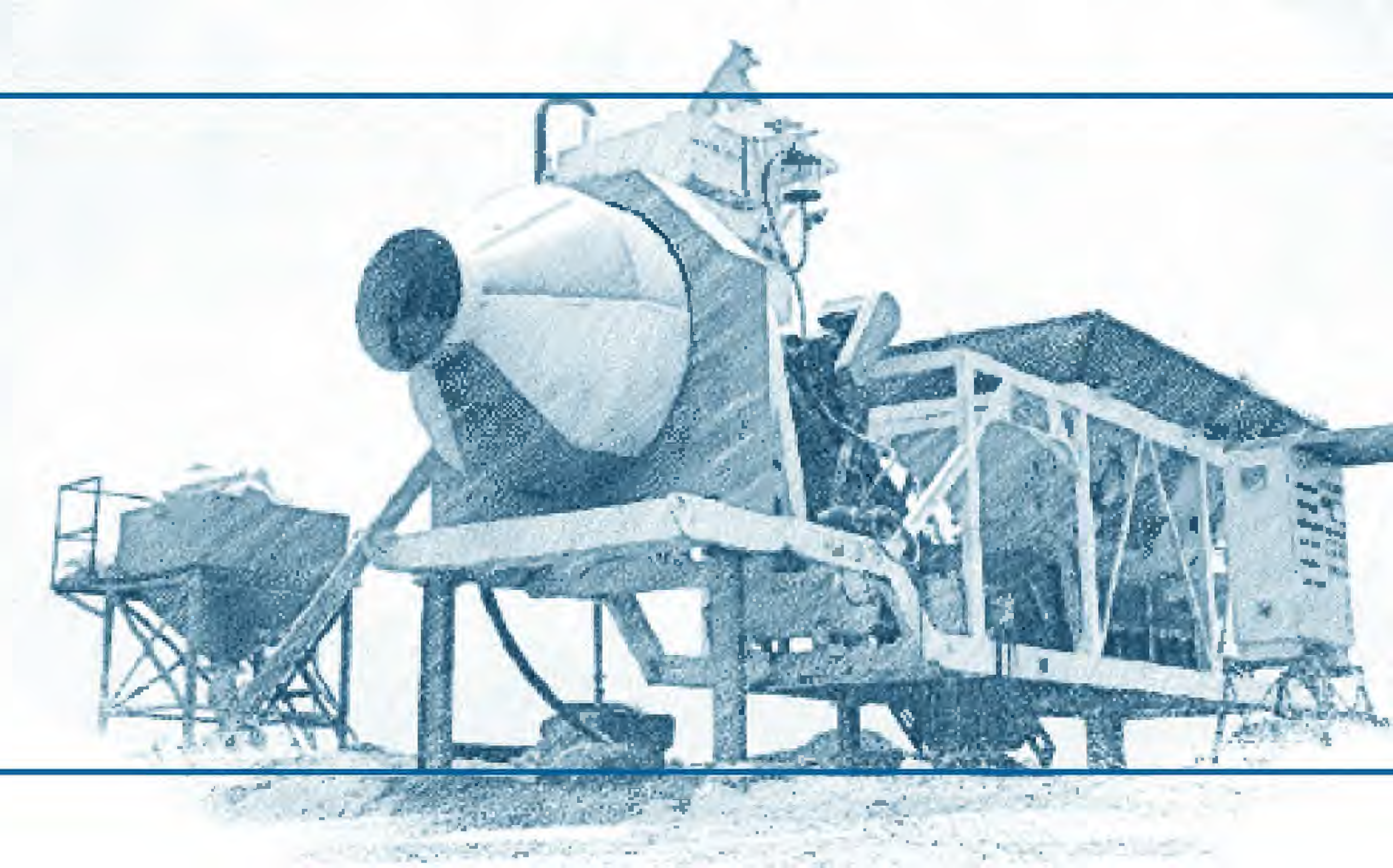
HIGH PRECISION LOAD CELLS

LAYOUT

PLANT CAPACITY
10 m³ / hour to 20 m³ / hour



COMPONENTS





AGGREGATE FEEDER

Atlas make mobile concrete batching plant come equipped with a 2 x 2 type aggregate feeder. Aggregate feeder is with two vibratory motors and pneumatic operated gates. The sand bin comes equipped with a mesh for efficient sand discharge. A standard air compressor is provided. The air compressor is responsible for controlling of mixer gates, feeder gates and butterfly valve opening and closing. The position of air compressor on the chassis makes it easy to maintain and transport



WEIGHING CONVEYOR

Weighing conveyor is located just below the aggregate feeding unit. The weighing conveyor is suspended on four load cells. The job of weighing conveyor is to individually weigh the aggregates and transfer them to the feeding conveyor.



CHARGING CONVEYOR

The task of feeding conveyor is to transfer the aggregates to the mixing drum



AIR COMPRESSOR

Twin lube air compressor is provided with the machine. It controls the feeder gates and also the butterfly valve open close mechanism. The air compressor is factory fitted. Its location is nicely done on the chassis of the plant and no connections for the same has to be done once the plant arrives at the site.



MIXING UNIT

Mixing drum supplied with Atlas make ready mix concrete plants is carved out with extreme precision keeping in mind that it is subjected to most torture. The flights of the mixing drum are designed to throw out even the smallest particle out of the mixing drum. The drum movement in forward (clockwise) direction does the mixing while the drum movement in backward (anti-clockwise) direction aids in discharge of the material. The mixing drum drive motor here is connected to a gear box by a V belt pulley. This drives the mixing drum. This helps in minimizing vibrations and is also low on maintenance.



LUBRICATION SYSTEM FOR MIXING DRUM

A lubrication system for the mixing drum is provided to lubricate all the eight moving parts of the mixing drum from a single point. Thus making the maintenance of the mixing drum easy.



WEIGHING SYSTEM

Weighing system is for cement, water and additives. Aggregates are weighed on the weighing conveyor which is situated just below the feeder bins. Cement weighing hopper supplied is mounted on 3 load cells. A pneumatic operated butterfly valve is fitted for discharge. The cement weighing hopper on the RMC plant 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 equipped with rubber gasket at the bottom. Admixture flask of suitable capacity is fitted with feeding pump. Cement is fed from SILO to the cement weighing hopper



PLC CONTROL PANEL

It comes with a standard PLC based control panel. SCADA based panel can also be supplied on request. A user friendly software ensures top notch performance. There is provision to print data like mix proportion, batch weigh, total no. of batches, sub total, gross total, etc. Provision to store, edit production details, and mix proportions up to 99 recipes is possible. Equipment can run on auto and manual modes.



CONTROL CABIN

Control cabin is optional. The standard configuration machine comes with the PLC control cabin enclosed in a casing. Customer has the option to opt for a control cabin for the equipment.



CEMENT HOPPER AND CEMENT SILO

With the standard configuration, the plant comes with a 30 bag hopper. This 1500 kgs / 30 bags hopper is sufficient enough for storage of ample cement so that it can be supplied in required quantity as & when required. The hopper for addition of cement comes fitted with vibrating motor & a screw conveyor for addition of cement into the weigh hopper.

If required a separate silo for addition for cement or fly ash can also be made available.

Weigh hopper for cement is on top of the mixing unit. This weigh hopper has inlet for two screw conveyors.



HORIZONTAL SILO

Horizontal silo of capacity 20 tons / 30 tons / 40 tons can be provided. It is of advantage especially for places where space is a constrain. All safety accessories are provided with the same.

Silo can also work simultaneously with a cement hopper.



*ALL PRODUCTS **



ATLAS GLOBAL INSTALLATIONS



ATLAS EQUIPMENTS

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