



**ATLAS  
EQUIPMENTS**

**STATIONARY CONCRETE PLANT**



# FEATURES





TWIN SHAFT, PLANETARY AND  
PAN MIXERS AVAILABLE



DIFFERENT LAYOUTS AVAILABLE  
AS PER REQUIREMENT



CONTAINERIZED DESIGN AND  
MODULAR STRUCTURE



ACCURATE WEIGHING SYSTEM KEEPS  
YOU AHEAD OF THE COMPETITION.



HEAVY STRUCTURE DESIGNED TO  
PERFORM FOR YEARS



EASY TO REPLACE ARMS,  
TIPS AND LINERS



WIDE MIXING PLATFORM FOR  
EASE OF MAINTENANCE



EASE TO OWN WITH LOW OPERATING  
& MAINTENANCE COSTS.



EASE TO CONSISTENTLY PRODUCE  
HIGH QUALITY CONCRETE.



EASY TO USE PLC TOUCH SCREEN PANEL  
OFFERS BEST PERFORMANCE.



COMPONENTS USED ARE  
WORLDWIDE KNOWN & RELIABLE

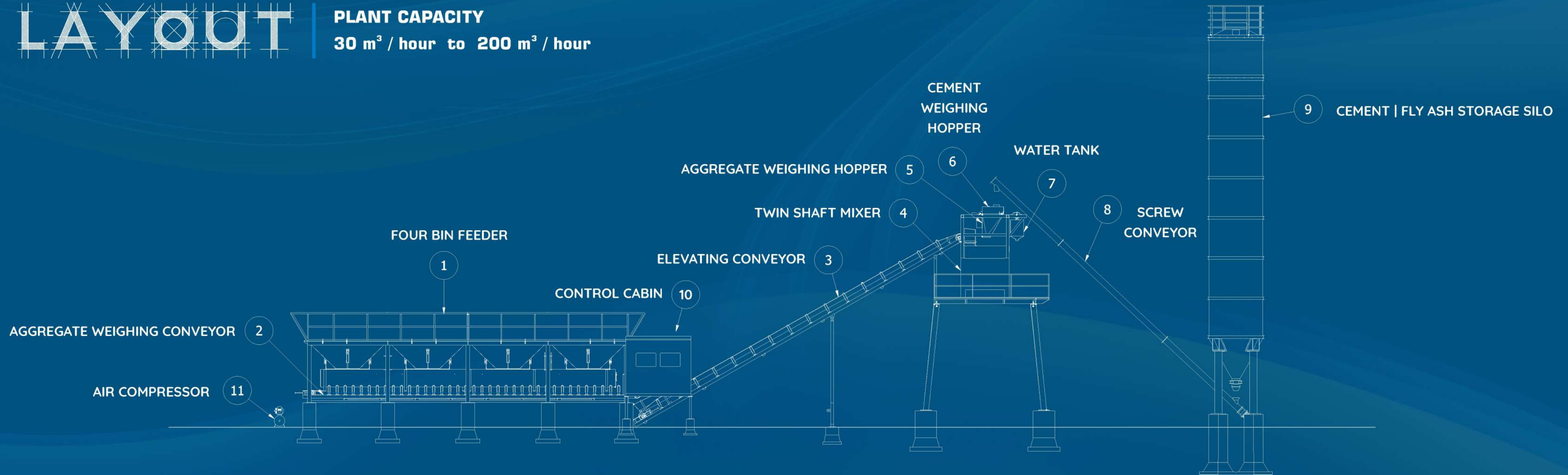


WE ASSURE QUALITY, TRUST,  
RELIABILITY & PERFORMANCE

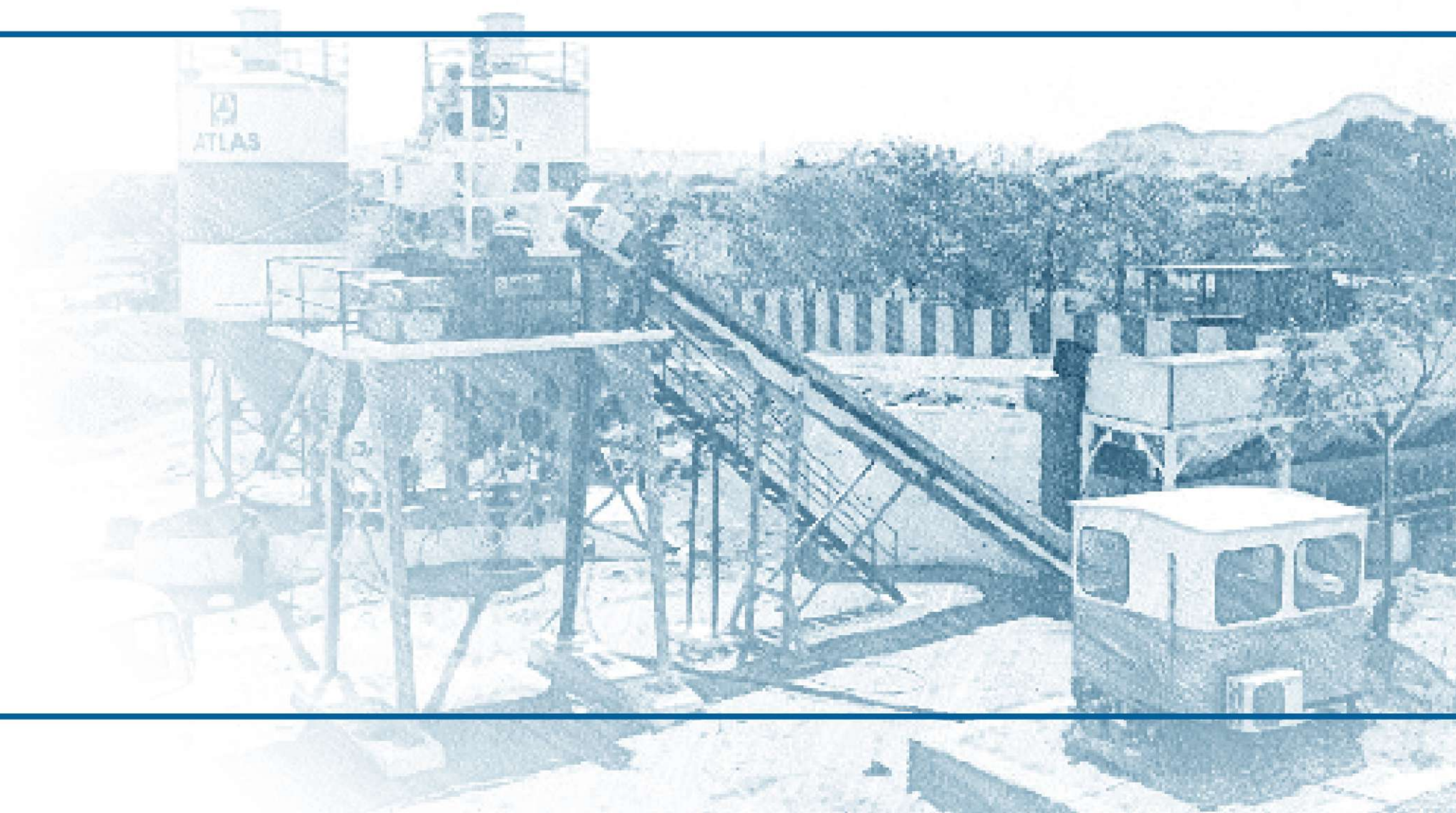
# LAYOUT

## PLANT CAPACITY

30 m<sup>3</sup> / hour to 200 m<sup>3</sup> / hour



# COMPONENTS





## AGGREGATE FEEDER

All the feeder bins supplied have pneumatic operated gates. The four bin feeder is built on a strong and rugged structure. Air compressor provided with the concrete mixing plant is responsible for pneumatic gate open close.

The RMC plants manufactured by Atlas come with gates which are radial type for coarse/ fine discharge. Sand bin is also provided with discharge.



## GATHERING CONVEYOR

Gathering conveyor supplied with the concrete machine is suspended on 4 load cells. Aggregates are discharged into gathering conveyor. Once the set recipe accumulates on the gathering conveyor, it discharges the mix on to the slinger conveyor. A vibratory motor is provided for easy flow of aggregates. Gathering conveyor and slinger conveyor of Atlas ready mix plant are equipped with idler rollers and return rollers.



## CHARGING CONVEYOR

The charging conveyor is important part of this equipment. It does the job of transfer of aggregates from the weighing conveyor to the mixing unit. This conveyor is covered to reduce the dust emissions.



## MIXING UNIT

Twin shaft type concrete mixers are a standard. There is also option to opt for pan or planetary mixer for customers. They ensure proper mixing concrete and maximum concrete output in shortest possible time.

Supplied in capacities ranging from 0.5 m<sup>3</sup> to 5 m<sup>3</sup> it is fixed on the basic structure of the machine. The arms and shell are reinforced with high wear resistance NI hard liners. These replaceable liners are for high performance and ensure long life of the mixer. The aggregates, cement, water and additives are discharged to the mixer for thorough mixing.



## WEIGHING SYSTEM

Cement weighing hopper supplied with Atlas concrete batching plants is mounted on 3 load cells and is equipped with butterfly valve for efficient discharge. Cement weighing hopper is of suitable capacity and is provided with pneumatic vibrator and two inlets for two screw conveyors.

Water tank provided is supported on load cells and it is provided with a gate with rubber gasket at the bottom. Additives inlet comprises of an admixture flask of suitable capacity provided with a feeding pump.



## PLC CONTROL PANEL

Fully computerized cabin with PLC based controller (OPTIONAL: SCADA based controller) is provided. A user friendly software ensures top notch performance of the mixing equipment.

Provision for printing important data like mix proportion, batch weigh, total number of batches, sub total, gross total, etc as per the requirement is possible. The number of batches for transit mixer is controlled by the preset batch controller.

It is possible to store, edit production details, mix proportions up to 99 recipes



## CONTROL CABIN

Control cabin supplied with Atlas ready mix batch plant is fabricated with M. S. structured frame and insulated by wood. Control panel is housed inside the control cabin. Strategic location of the operator seat ensures complete view.



## CEMENT SILO & HOPPER

The standard configuration equipment comes with a 1500 kgs cement hopper for addition of cement that comes in bags. It is also possible for customer to opt for a separate silo for addition of cement or fly ash.

This cement / fly ash silo comes in different capacities as per the customer's requirement.

Customer can opt for cement silo or cement hopper or both. Cement is added into the cement weighing hopper by means of a screw conveyor. Two screw conveyors can add cement into the weigh hopper as seen in the adjacent photo.



## HORIZONTAL CEMENT SILO

All the feeder bins supplied have pneumatic operated gates. The four bin feeder is built on a strong and rugged structure. Air compressor provided with the concrete mixing plant is responsible for pneumatic gate open close.

The RMC plants manufactured by Atlas come with gates which are radial type for coarse/ fine discharge. Sand bin is also provided with discharge.



## AIR COMPRESSOR

Gathering conveyor supplied with the concrete machine is suspended on 4 load cells. Aggregates are discharged into gathering conveyor. Once the set recipe accumulates on the gathering conveyor, it discharges the mix on to the slinger conveyor. A vibratory motor is provided for easy flow of aggregates. Gathering conveyor and slinger conveyor of Atlas ready mix plant are equipped with idler rollers and return rollers.





ALL PRODUCTS \*



**ATLAS GLOBAL INSTALLATIONS**

IVORY COAST

NIGERIA

GHANA

CAMEROON

CONGO

ANGOLA

NAMIBIA

UGANDA

KENYA

TANZANIA

MALAWI

MOZAMBIQUE

BOTSWANA

SOMALI LAND

SOMALIA

QATAR

UAE

OMAN

INDIA

NEPAL

BHUTAN

BANGLADESH

MYANMAR

MALAYSIA

SINGAPORE

INDONESIA

PHILLIPINES

PAPUA NEW GUINEA

SAMOA

AMERICAN SAMOA



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