CONTINUOUS ASPHALT MIX PLANTS
40-150 TPH

Atlas Industries

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For more info, please visit our website: www.AtlasIndustries.in

Stationary asphalt
drum mix plants

www.AtlasIndustries.in

INTRO

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 certified company engaged in design, development, manufacturing, marketing and servicing a complete line of Asphalt Batch Mix Plants, 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 35+ years of experience in manufacturing road construction equipments we know exactly what we're doing.
QUALITY: Atlas provides the best quality products in the business.

Visit: www.AtlasIndustries.in

CUSTOMER ORIENTED COMPANY WITH CUSTOMIZED & ECONOMICAL SOLUTIONS

Based in Mehsana, Gujarat, India

40 COUNTRIES AND GROWING

STATIONARY ASPHALT BATCH MIX PLANT

BITUMEN PRESSURE DISTRIBUTOR

WET MIX MACADAM PLANT

BITUMEN DRUM DECANTERS

CONCRETE BATCHING PLANTS

MOBILE ASPHALT BATCH MIX PLANTS

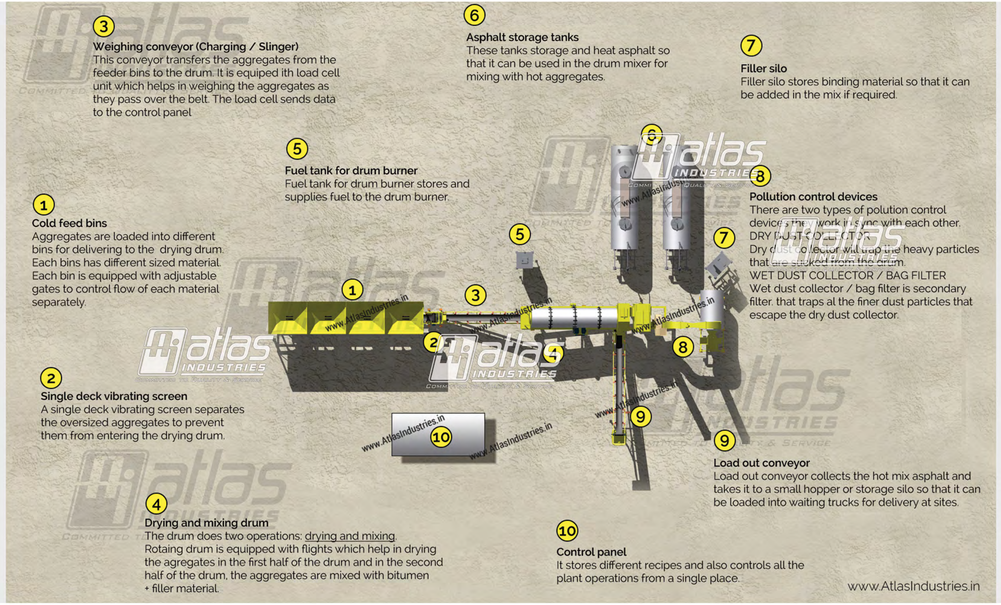
* ALL PRODUCTS

STATIONARY ASPHALT DRUM PLANT

Atlas offers stationary asphalt plant in the capacities 40 tph to 150 tph. These plants are ideal for those contractors who want to go for high volumes of asphalt production without frequently shifting. We offer full package to road contractors for complete peace of mind and we want them to concentrate on their core business without worrying about the equipment.

ATLAS STATIONARY ASPHALT DRUM MIX PLANT ADVANTAGES:

- Containerized design.
- Drying drum is coated with 1260 degree Celsius resistant cera wool in all our plants that are exported.
- The drying drum chain is equipped with half chain. Overall vibrations are very less and the operation is trouble free.
- The burner system supplied can be compatible with diesel, LDO and also FO.
- Drum flights are designed for homogeneous mixing and better heating. They compliment the burner for maximum heating with use of minimum fuel.
- Low maintenance and low operating costs.
- We do use renowned components in the manufacturing.
- The control panel of the asphalt mixing plant for sale is designed for ease of operation.
- Bitumen storage tanks are fully stuffed by glasswool from all the sides. This helps in preventing heat loss.
- This bitumen line is jacketed and hot oil flows in the jacketing section. This will help the tank pipeline to be hot and bitumen can flow freely.
- Mineral filler is provided with a compressor for blowing the filler material into the drum
- Optional PLC control panel for ease of use and simplified maintenance.
- Factory tested prior to dispatch.



COLD AGGREGATE FEEDER BINS

The number of bins and sizes of aggregate feeding system can be customized as per the customer's requirement. The feeding system for aggregates come with an empty bin indication and vibrating motor on a bin for free flow of sand.

It is built on a rugged structure. Frequency controlled drives control flow of aggregates individually.

VIBRATING SCREEN & WEIGHING CONVEYOR

Single deck vibrating screen at the end of cold aggregate feeder bins.
It helps in removal of oversized materials. Charging conveyor will transfer aggregates after primary screening into the drying drum. It is driven by a variable speed drive motor.

Slinger / charging conveyor is equipped with load cell for collective weight of aggregates.

DRYING AND MIXING DRUM

The drying and mixing unit is the most important part of a drum mix asphalt plant. Aggregates enter the higher end of the drum and pass through the lower end of the drum. In the process they get heated. The dryer assures outstanding efficiency in uniformly heating and drying the aggregates.

Rotary cylinder drum is mounted on sturdy platform driven by AC motor with sprocket and chain equipped with high pressure jet burner, flights, bitumen and fines piping, frame mounted exhauster fan with high efficiency dust collector fitted with discharge dust screw conveyor.

MULTI FUEL BURNER

High pressure jet burner is capable of heating the aggregate to the required temperature without any un burnt fuel or carbon residue. The unit is also with suitable type of thermometric instrument fitted at proper places so as to indicate the temperature of exhaust gases, bitumen and mixture.

For pressure Jet burner a suitable fuel storage tank with fuel transfer pump is provided. The low noise burner has sufficient capacity to cover the entire range of thermal energy required for drying the aggregates with various type of fuel.

LOAD OUT CONVEYOR

The aggregate discharged from the drying drum is collected into a heat resistant belt supported by inclined load out conveyor equipped with GOB hopper with hydraulically operated cam shell gate to provide surge capacity when changing trucks and to control segregation in the hot mix.

Hydraulic Power Pack is for hydraulic opening and closing of the hopper gates.

FUEL TANK FOR DRUM BURNER

The dryer burner supplied is Diesel and LDO compatible. There is a standard fuel tank supplied with the plant to store and supply the desired amount of fuel to the dryer burner. This tank also comes with its pumping station.

MINERAL FILLER

It is for addition of dust or mineral to the mix material in the mixing zone of the drying and mixing unit. It is provided with a rotary valve driven by AC motor.

Filler material is conveyed to the drum through the drum through a pipe by suitable twin lobe compressor The inlet of mineral is adjacent to the bitumen line in the drying drum.

BITUMEN TANKS

Our storage tanks are mounted on a sturdy chassis. Storage tanks are cylindrical or U shaped. The tank is insulated with glass wool to avoid heat loss and reduce fuel consumption.

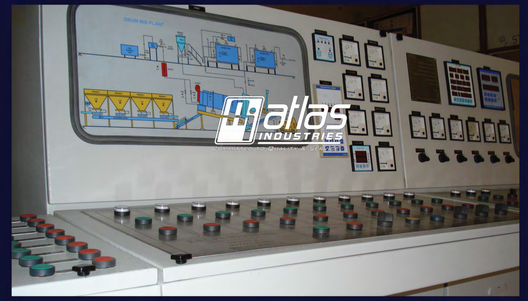
Automatic pressure Jet oil burner (diesel), bitumen pump with jacketed oil body, bitumen metering system with variable speed motor and hot oil circulation motor is provided.

Available in 10 to 50 T capacities

MICROPROCESSOR PANEL

Fully computerized cabin with on board electric power console, distribution, switch board, fully automatic processes are a standard on ATLAS DM Series plants. User friendly software ensures top notch performance.

Display of the entire process control parameters.
Provision to store, edit production details, mix proportions, etc is possible. Panel enables the plant to run in Auto & manual mode.



PLC CONTROL PANEL

PLC panel is better compared to the microprocessor based panel. The PLC panel is also very low on maintenance. Programming can be customized which is not possible on Microprocessor based panel.

Programming can be changed from the manufacturers end as per customers requirement and can be easily incorporated by the client at his site. Any addition of modules will be easy with the PLC type of control panel.

POLLUTION CONTROL

VENTURI TYPE Wet dust collectors are highly efficient and are known to maintain required environmental standards. The extreme turbulence leads to superb entrapping of dust laden exhaust gas.

Large size stainless steel nozzles provide clog free operation to ensure optimum cleaning efficiency.

MOBILE ASPHALT DRUM MIX PLANT

A mobile is similar to stationary plant, mobile plant comes with -
- Aggregate feeder on a chassis with an axle.
- Dryer drum with pollution control device on a double axle chassis.
- LDO + Bitumen tank + Lime filler on one chassis with single axle.
- Cabin with open space is a chassis with single axle.

Mobile plant comes with pneumatic braking system and king pin attachment feature. The plant also comes with internal cabling and junction box on each chassis so that wiring is quick and simple.