CONTINUOUS ASPHALT MIX PLANTS
20-30 TPH

Atlas Industries

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

Mobile asphalt
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

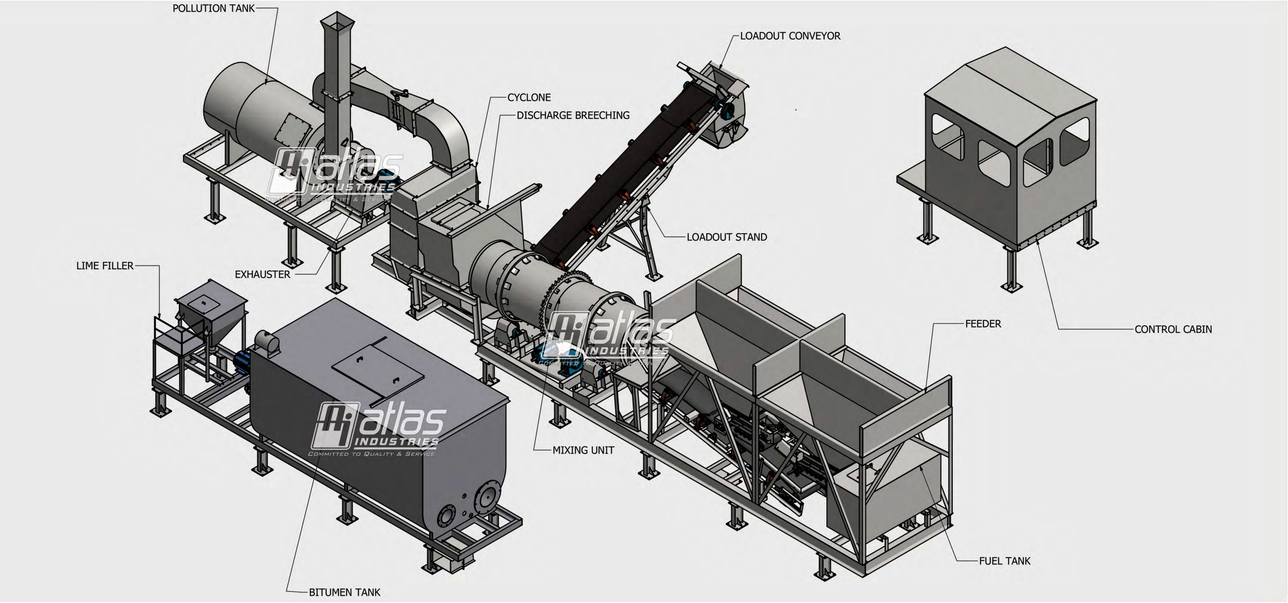
* ALL PRODUCTS

MINI MOBILE ASPHALT DRUM PLANT

Easy to move and ideal machine for small sites where frequent shifting is required. Comes with 2 x 2 bin type aggregate feeder for cold aggregate input. Two types of aggregates in different proportions can be used. Three or four types of aggregates can also be used with a different configuration of the feeding bins.

ATLAS MINI MOBILE ASPHALT DRUM PLANT ADVANTAGES:

- Containerized design.
- Very compact plant, best for small to medium sized jobs.
- Easy towing by a prime mover.
- Feeder bins, drying drum and drum burner fuel tank on a single chassis.
- Mineral filler, 12 tons bitumen tank and control cabin is on a separate chassis.
- Folding type loadout conveyor for fast assembly and operation.
- Comes with wet dusct collector for pollution control.
- The burner system supplied can be compatible with diesel, LDO and also FO.
- 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.
- Pre-wired and 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 standard unit comes with 2 bins with a partition in between. Other options include 3 bins and 4 bins. Frequency controlled drives control flow of aggregates individually.

There is a single weighing conveyor running from below the bins to the drying drum. Fuel tank for the drum burner unit is near the cold feeding bins.

DRYING AND MIXING DRUM WITH BURNER

Since this is a mobile plant with a compact design, the drying drum is packed close to the feeding bins. It is fitted with an efficient burner capable of heating the aggregates properly. Flight arrangement of the drying and mixing drum allow homogenous drying of the aggregates in the first half getting them ready for the mixing in the second half.

When bitumen and minerals enter the later part of the drum, they are treated with nicely heated aggregates and this makes it easy for them to blend with the aggregates.

FUEL TANK FOR DRUM BURNER

The dryer burner supplied with mini hot mix plant is compatible with multi fuels. 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.

TILTING TYPE LOAD OUT CONVEYOR

The aggregate discharged from the drying drum is discharged and transferred to the truck by a heat resistant belt supported on an inclined load out conveyor equipped with GOB hopper. This GOB hopper is equipped 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 provided as it helps in hydraulic opening and closing of the hopper gates.

MINERAL FILLER

Provision for addition of dust or mineral to the mix material in the mixing zone of the dryer is there. 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 input of minerals is adjacent to the bitumen line in the drying and mixing drum.

Lime filler is fixed with bitumen tank and cabin on a separate chassis.

BITUMEN TANK & CONTROL CABIN

Bitumen storage tanks supplied with MDM 25 plant is of capacity 12 Tons and is mounted on a chassis. The tank is fully insulated on all sides with glass wool in order to avoid heat loss and reduce fuel consumption of the burner.

Diesel compatible burner, bitumen pump is with with jacketed body, bitumen metering system is with variable speed motor and hot oil circulation motor are standard accessory with the bitumen tank. Bitumen tanks are available in various capacities as per the customer's requirement.

DRY DUST COLLECTOR

Dry dust collector is supplied as a standard unit for heavy dust settlement.

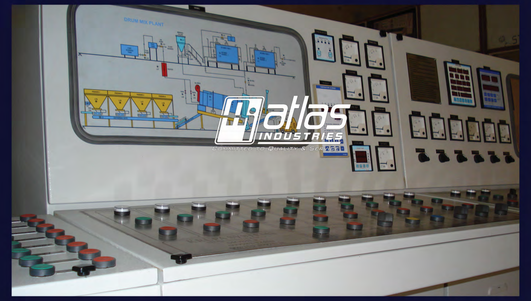
WET DUST COLLECTOR

Venturi type wet dust collector pollution control device can be supplied with the plant as secondary pollution control device to keep the pollution control levels to minimum.

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.