ASPHALT BATCH MIX PLANTS
60-260 TPH

Atlas Technologies Pvt. Ltd.

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Stationary asphalt
mixing plants

www.AtlasTechnologiesIndia.com

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 TECHNOLOGIES PVT. LTD. 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.AtlasTechnologiesIndia.com

CUSTOMER ORIENTED COMPANY WITH CUSTOMIZED & ECONOMICAL SOLUTIONS

Based in Mehsana, Gujarat, India

40 COUNTRIES AND GROWING

MOBILE ASPHALT BATCH MIX PLANT

BITUMEN PRESSURE DISTRIBUTOR

WET MIX MACADAM PLANT

BITUMEN DRUM DECANTERS

CONCRETE BATCHING PLANTS

ASPHALT DRUM MIX PLANTS

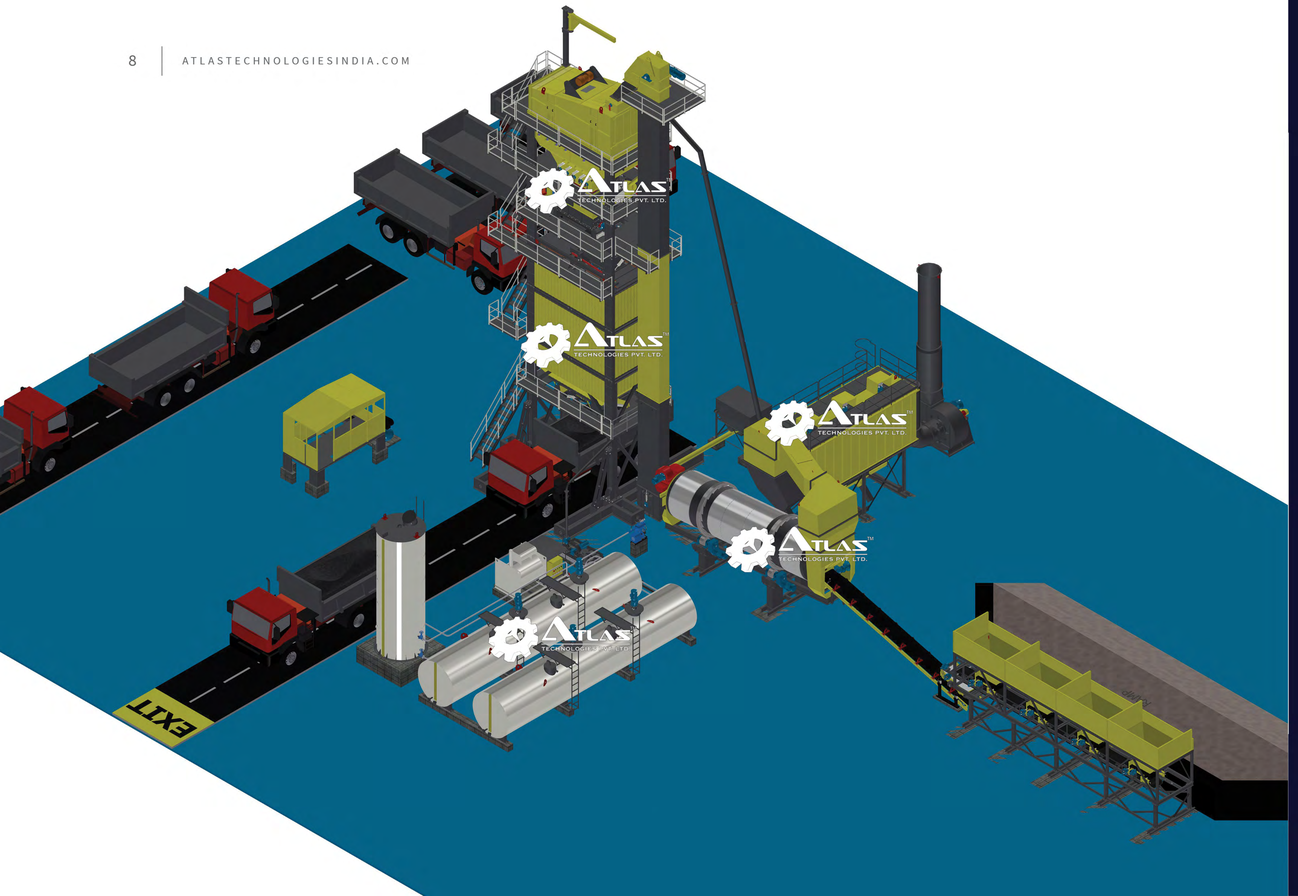
* ALL PRODUCTS

ATLAS ASPHALT BATCH MIX PLANT

Atlas asphalt batch mix plant are designed for contractors. Looking for a basic yet reliable equipment from a manufacturer with good product knowledge and service support. We are manufacturer of asphalt batching plant with capacities: 60-80 tph, 80-100 tph, 100-120 tph, 140-160 tph, 180-200 tph and 240-260 tph. Capacities above 260 tph will be tailor made.

ATLAS ASPHALT BATCH MIX PLANT ADVANTAGES:

- Containerized design helps in reducing the transportation cost.
- Built on a rugged and strong structure - suitable for rough operating conditions.
- All components are on skid mounted plates.
- Low maintenance and low operating costs.
- High efficient and low noise multi fuel burner unit.
- Thermally insulated drying drum with option for friction drive and chain drive available.
- Modular units are designed for easy transportation and fast installation of the equipment.
- Minimum civil work required has to be done at site.
- We do use renowned components in the manufacturing.
- The control panel of the asphalt mixing plant for sale is designed for ease of operation.
- Screen sizes can be customized as per your requirement.
- Ease of access for fast maintenance helping you to achieve maximum productivity.
- This equipment is also available with ventury type wet dust collector in place of bag filter unit for pollution control.
- The cost of the spare parts is the lowest in the industry.
- Extremely user friendly PLC control panel provides option to store various types of hot mix recipes with possibility to change the recipes frequently.



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 and skid plate mounted. Frequency controlled drives control flow of aggregates individually.

VIBRATING SCREEN & CHARGING 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.

DRYING DRUM

The drying drum is cylindrical and placed inclined. Aggregates enter the higher end of the drum and pass through the lower end of the drum. In the process they get heated. The flights are designed for maximum thermal efficiency and to make maximum use of the burner heat for heating the aggregates.

Maintenance of the drum is very easily accessible. There is a temperature meter on the discharge chute of the drum

MULTI FUEL BURNER

Burner unit is fully automatic, modulating, high pressure, low noise and multi fuel type (Diesel/LDO). The burner is very carefully designed so that maximum thermal efficiency is achieved in the heating process.

Burner compatible with FO (Heavy oil) and gas can also be provided.

PRIMARY DUST COLLECTOR

Primary dust collector can be pre-separator unit or a cyclone separator.

It helps in trapping heavier dust. It also helps in recycling dust into the drum unit.

BAG FILTER UNIT

Bag filter unit is supplied along with the dry dust collector or pre-separator. Bag filter is the dry type pollution control device. It is a reverse air flow type unit with three or more rotors on the top of the unit for cleaning the bags regularly.

The filter area is sufficient with high quality bags doing the cleaning efficiently. The rotors on top of the bag filters clean only 8 bags at a time which makes the cleaning process very efficient and increases the life of the bags.

Venturi type wet dust collector unit can also be provided in place of bag filter unit.

BITUMEN TANK & HEATER

The size of the bitumen tanks can be customized as per customer requirement. standard bitumen tanks provided are with oil heating system. The thermic heater supplied is a fuel efficient heating system using oil to heat the bitumen.

These tanks are fully insulated from all the sides with temperature indicator. Thermic oil heater comes with automatic light oil burner for heating the internal coils through which the hoi oil passes. Bitumen pipelines are fully jacketed to prevent heat loss.

FUEL TANK FOR DRUM BURNER

Vertical fuel storage tanks are provided with the Asphalt mixing plant. These tanks can be one or two in number if different fuels are used or more storage of the same fuel is desired.

The tanks come with fuel transfer pump, piping and necessary controls.

HOT AGGREGATE ELEVATOR

Fully enclosed unit - the bucket elevator for hot aggregates take the aggregates from the drying drum below to the vibrating screen on top of the tower unit.

It is supplied with wear plates, drives (electrical and mechanical) and wiring.

MINERAL FILLER ELEVATOR / SCREW

The standard configuration comes with filler hopper and screw conveyors for feeding the filler material into the filler hopper.

Optional filler silo and elevator system can also be provided.

VIBRATING SCREEN

The vibrating screen is four or more decked and is for separation of different types of aggregates. Screen sizes can be customized as per the requirements of the customer. Large screening area so that aggregates can move quickly and uninterrupted flow of aggregates is achieved. It is inclined and vibrating type which is rested on spring absorbers.

There is enough space near the screening platform which makes maintenance easy. The screen replacement is also easy making the module one of the easiest to maintain. Screen design allows for quick removal of the oversized aggregates.

HOT AGGREGATE STORAGE BINS

The number of hot bin compartments is the same as the number of vibrating screens. Hot bins will store aggregates into separate compartments after the screening process is over.

Storage of aggregates here is only for short time till they are discharged by pneumatic gates for weighing. There will be sampling facility on each bin. This section of the tower asphalt mixing plants is also equipped with load sensors mechanism to reject overflowing aggregates.

MIXING UNIT

Twin shaft type mixing unit is a fully jacketed unit powered by planetary gear boxes for individual shafts. Asphalt mixing unit is a tried and tested unit which is known for smooth and trouble free operation. The system allows homogenous mixing of aggregates with bitumen and filler material in quick time.

The liners, arms and tips are designed for long life and are easy replaceable. The gate is pneumatically operated and is full length. It helps in quick discharge of the hot mix asphalt. There is sufficient space on the mixer platform for easy maintenance.

AGGREGATE, FILLER & BITUMEN WEIGHING SYSTEM

The aggregate weigh hopper is for weighing aggregates. It will receive aggregates one by one for weighing prior to discharge into the mixing unit. It is suspended on four load cells.
The weigh hopper for filler is suspended on load cells and is equipped with butterfly valves for quick and efficient discharge of the filler material into asphalt mixing unit by gravity.
Bitumen from the storage tanks is transferred by a transfer pump. The weigh tank is fully insulated to prevent heat loss. As soon as the bitumen is weighed, it will be transferred by gravity into the mixing unit.

CONTROL PANEL WITH SCADA

PLC touch screen control panel is a breeze to use. The control panel is designed with care and for ease of operation.

Coloured display makes all the relevant information clear to read.
The components used in the manufacturing of the control panel of the Atlas hot mix plant are all standard make.

SCADA is standard across all models.