Available as stationary and semi-mobile.

**VARIANTS:** ABP 80 (80 tph), ABP 120 (120 tph), ABP 160 (160 tph)

Capacities above 160 tph are tailor made.
AGGREGATE FEEDER

In our stationary and mobile asphalt drum mix plant all the four bins are fitted with individual variable speed drive motors and gear box to control and regulate the flow of aggregate from each bin.

Gathering conveyor is equipped with scrapper and driven by variable speed drive motor. Aggregate from the gathering is fed to the drum with a slinger conveyor after removing oversize materials.

* - Supplied with mobile plants.
A rugged single deck vibratory screen is placed at the end of cold aggregate feeder. Its job is to remove the oversized materials.

Driven by variable speed drive motor, aggregates are transferred to drying unit.
The drying and mixing unit is the most important part of an Asphalt plant. The dryer assures outstanding efficiency in uniformly heating and drying the aggregates because of the specially designed and arranged lifting flights. 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 exhaueter fan with high efficiency.

* - Supplied with mobile plants; ** - Supplied with export quality plants.
MULTI FUEL BURNER

High pressure jet burner is capable of heating the aggregate to the required temperature without any unburnt fuel or carbon residue on the aggregate and to reduce the moisture content of the aggregate to minimum. 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.
The plant is supplied with a pre separator for collection of heavy dust. Dust laden gas passes through the pre separator where the heavy dust will be collected. Excess dust from the vibrating screen is also sucked and collected. This dust can also be reclaimed back into the screen through the tower unit.

Bag house is one of the most effective pollution control device available today. Venturi type wet dust collectors are also available.
BITUMEN TANKS

Fully insulated tanks available in various capacities.
Asphalt tanks are with direct or indirect heating and with hot oil jacketed piping.

AGGREGATE & MINERAL FILLER ELEVATOR

Hot elevator is for taking the dried aggregates to the top of the tower for screening. Hot elevator is fully covered and with anti-slip feature.

Filler hopper is for addition of minerals to the hot mix. Filler is conveyed to the filler weighing hopper by a screw conveyor / bucket elevator.
A four deck vibrating screen is for separation of four types of aggregates and removing oversized aggregates. The screen is powered by strong vibrating motors allowing vibration in circular motion. The screen of asphalt plant is designed for free flow of the material. Large platform across the screening unit makes access to screens easy. Maintenance and screen replacement can be done in quick time. Screen sizes can be customised.

Hot bins have compartments to store aggregates separately after they are screened by the vibrating screen. These hot bins store the aggregates for a short period of time till they are weighed.
AGGREGATE & MINERALS WEIGHING

Weighing system is separated in such a way that it is not affected by the vibrations from the vibrating screen. Aggregates are discharged one by one by the weighing system into the twin shaft mixer for mixing.

Weigh hopper for filler is mounted on three load cells with pneumatic cylinder for quick discharge. It is free from vibrations from the vibrating screen.

BITUMEN WEIGHING

Bitumen is weighed in a weigh hopper which is suspended on 3 load cells.
MIXING UNIT
Mixers manufactured by Atlas are designed for homogeneous mixing in short time. Mixer is fitted with long life and easy replaceable Ni-Hard liner plates and tips.

Strong shelled body is insulated by hot oil jacketing from all sides. This mixer is with synchronized drives on each shaft. Quick maintenance is possible by easy access to the maintenance doors.

Discharge gate runs through the entire length of the mixer allowing quick discharge of the hot mix material.

PLC PANEL
The software of PLC control panel is developed in house. It is keeping in mind that the operation of asphalt batch mix plant has to be easy.

Colour display on HMI allows to read information easily.

Control panel is designed for easy maintenance.