

SPEEDCRAFTS

ASPHALT DRUM MIX PLANT



FEATURES

- Modern Drum Mix Technology
- Produces High Quality Mix
- Portable Or Stationary
- High Production Rate
- Easy To Operate
- Highly Accurate Aggregate Feeder
- Low Dust Emission
- Plant Mounted Discharge Conveyor With Surge Hopper
- Manufactured As Per MORTH Specification

CVI
CERTIFIED
MANAGEMENT SYSTEM
ISO 9001

DETAILED DESCRIPTION

Model	DM - 20	DM - 45	DM - 60	DM - 90	DM - 120	DM - 150
Capacity (TPH)	15 to 20	30 to 45	45 to 60	60 to 90	90 to 120	120 to 150

4-BIN FEEDER

It is of single chassis construction. At each Bin a radial gate is provided which can be opened in any position to regulate the aggregate flow. Individual endless belts are provided below the gates to discharge material onto the gathering belt.

VIBRATING SCREEN

A single-deck vibrating screen is provided on the slinger conveyor to remove oversize aggregate received from the 4-bin feeder.

SLINGER CONVEYOR

An inclined conveyor mounted on idlers receives aggregate from the gathering conveyor and feeds it to the dryer

DRYER DRUM

The dryer is accurately fabricated to ensure proper heating of aggregates with minimum heat loss. Specially designed flights lift and cascade the aggregate to reduce the final moisture content to 0.5% (by weight). It is supported on steel rollers through steel tyres with idlers and guide rollers and is provided with segmented driving sprocket. A fully automatic high-pressure auto jet burner is mounted at one end of the drum. The discharge chute design discharges heated aggregate directly onto the loadout conveyor.

BITUMEN TANKS

One/Two Bitumen Tanks of 15/20 MT capacity each are provided, fabricated from steel plates with 50 mm glasswool insulation, manhole, thermocouples, etc. Bitumen is pumped to the dryer drum through pipe lines. Tanks are fitted with independent on-off type burners.

MULTICYCLONE EXHAUST

The dust collection system consists of enclosed multiple cyclones, exhaust fan and chimney.

LOAD OUT CONVEYOR

Mixed aggregate from the dryer drum is discharged on an inclined conveyor provided with a hydraulic hopper at delivery end for feeding the Mix into Tippers.

MINERAL FILLER

Fabricated from steel plates, it feeds the required quantity of mineral to the drum.

CONTROL CABIN

A fully automatic control panel with feather touch controls is provided for controlling the quantity and quality of production with operator sitting in Air-conditioned comfort.

All systems are completely synchronized with automatic / manual control of Burners, load cells, mix temperature, cold feed / mineral / bitumen proportions, etc. Manual control is possible through override system. Adequate safety measures are adopted to avoid overloading, short-circuit, etc.

LDO TANK

One LDO Tank of 2500 / 5000 Ltrs. Capacity is provided with each plant.

MISCELLANEOUS

- All components used are of top quality, with ISI Certification wherever available.
- All moving parts and electrical parts are provided with safety covers.
- Ease of lubrication and dismantling has been built into the design for efficient maintenance and repair.
- Fabricated parts are thoroughly cleaned and treated before painting.
- Manufacturing is done with advanced, internationally recognised, techniques.

OPTIONALS

- Wet type air pollution control system.
- Baghouse filter system.
- Hot mix storage silo.
- Portable plants.

Higher capacity plants are available on specific enquiry.

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