

POWEROL[®]

ASPHALT DRUM MIX



India's Leading **Make in India** manufacturer of superb quality Asphalt Drum Mix established in Chennai.

INDIA'S CONSTRUCTION MACHINERY MANUFACTURER

www.powerol.com



DRYER

By the innovative flight design, the aggregates curtain is formed immediately after the feeding section, and keeps smoothly moving forward upto the burner chamber, then, flows towards the discharge chute no longer forming aggregates curtain, Dryer support rollers are fixed on the frame with a certain pin, so, the dryer position shall not be changed, and factory pre-alignment is widely applied for easy adjustment

BURNER

Industrial type with high pressure (1.5 proportional)
 All kinds of fluids (fuel-oil, 6 no fuel-oil, diesel) natural gas and LPg can be used.
 Air/fuel ratio, flame length, suction, etc. are controlled by automation from control cabin.
 Complete combustion provides low NO₂, Co emission, high emission and low fuel consumption
 Igniting is done by LPG, if fuel oil is used as a fuel, igniting is started with diesel and also finished with diesel oil
 Safe operation
 Rail system provides easy maintenance and repair.



COLD AGGREGATE SILOS & CONVEYOR BELTS

- It can be used 3-15 m³ of capacity as 3/4/5/6 or more optionally
- Frequency-controlled sensitive dosing
- Trouble-free flow
- Vibrator for easy flow of fine material
- Process can be controlled and followed from control cabin simultaneously
- Grid used to prevent passing of coarse material

BITUMEN AND FUEL TANKS

- Protection of heat for a long time, perfect isolation
- Thermal-oil coil system
- It can be connected each other by 3 way valves
- Pocketed bitumen pump
- Jocketed piping
- Bitumen feeding system with pneumatic 3 way valve
- Heat control via by thermostatic valves
- Level indicators



Plant Model	DM-45	DM-50	DM-60	DM-65
Plant capacity at 3% Moisture Content	60 t/h	90 t/h	120 t/h	150 t/h
Operations	Continuous			
Units				
Cold feed bins (No of Bins)	4	4	4	4
Charging Conveyor (Capacity)	80 t/h	110 t/h	140 t/h	180 t/h
Oversize Removal Screen	Wiremesh/Motor			
Drum				
Thermo drum (Dryer L x D)	6.0 x 1.2 mtrs	6.7 x 1.5 mtrs	7.3 x 1.8 mtrs	7.9 x 1.8 mtrs
Drive Type	Chain Drive/4W Friction Drive			
Gear Box	Heavy Duty Worm Gear			
Burner Type	High Pressure, Fully Automatic, Modulating			
Fuel	Diesel / Furnace Oil			
Capacity	3 MW/hr	4 MW/hr	6.5 MW/hr	9 MW/hr
Burner Capacity	60 lpm	80 lpm	120 lpm	150 lpm
Drive Type	AC variable speed drive			
Gob Hopper Capacity	1 Ton	1 Ton	1.5 Ton	1.5 Ton
Load out Conveyor Belt	80 t/h	110 t/h	140 t/h	180 t/h
Exhauster	10500 cfm/15kw	14500 cfm/18.5kw	16500 cfm/30kw	16500 cfm/30kw
Pollution Control Unit				
Primary Type	Centrifugal Double cyclone			
Secondary type	Wet scrubber			
Secondary type - Optional	Reverse Jet Bag House Filter			
Control Panel				
Control Panel	Fully Computerized with manual override			
Accessories				
Filler silo (Capacity range)	3 / 7 / 11 / 18			
Bitumen tanks (Capacity range)	15 / 25 / 30 / 50 m ³			
Heating system	Direct heating / thermic oil heating			
Thermic oil heater (Hot oil heater capacity)	300000 / 500000 kcal/hr			
Hot mix storage silo (Capacity range)	12 – 200 m ³			
Plant capacity rated at	3% moisture content in cold aggregates Aggregate density of 1.6 tons / m ³ Mean sea level Ambient temperature of 30 °C Hot mix temperature of 150 °C			

FILLER SILO

- Design of optional capacities
- Double silo system for recovered filler and foreign filler material flows fitted separately to the weighing unit
- Rotary valve is designed for easy flow
- Close circuit working system (Unused filler is flow to filler silo via by overflow pipe. If the filler is not enough, system works automatically and supply additional filler to mixer)



THERMAL OIL HEATER

- 500,000 -1,500,00 kcal/h capacities
- It can be used separately from control cabin
- It can be run or run out automatic min-max temperature control time
- High-low pressure control
- Level gauge for thermal, voiced and lightened warning system
- Thermal circulation pump
- Front hinged cover for easy maintenance
- High efficiency

CONTROL PANEL

Fully computerised control cabin (AC optional) with onboard electrical power control console, distribution switch board, fully automatic process & sequence controls are a standard on all DM series plants.

A user friendly software gives you total reliability and ensures top notch performance.

- Fail proof power interlocks and auto process controls
- Online fault detection
- Online printing facility
- Provisions to print, store and edit production details, mix proportion, etc.
- Display of all process control parameters Auto / Manual operation

The control is equipped with function keys and numeric keys and does not require special skills for operation. Display of all process control parameters



POWEROL

Unit 1 - No. 107 Industrial Park Road, Valarpuram Village, Sriperumbudur Taluk, Kanchipuram District, Tamil Nadu 602105

Unit 2 - 38/2 & 38/3, IIDC Nagari, Keelapattu Village, Nagari, Andhra Pradesh 517590