



ASPHALT DRUM MIX PLANT

We manufacture advanced drum mix plants with automatic controls that meet M.O.R.T.H. specifications. The HIMALAYA thermo drum features innovative flight design and heat transfer technology (conductive, convective, and radiative) for efficient heat transfer, thorough mixing, and reduced emissions. This plant produces high-quality hot asphalt mixtures with minimal wear and low maintenance. Its portability, with a single unit containing the drum mixer, dust collector, and conveyor, makes it suitable for both small and large projects.

MODEL DM-35 (30 TO 45 TPH)

MODEL DM-45 (40 TO 60 TPH)

MODEL DM-50 (60 TO 90 TPH)

MODEL DM-60 (90 TO 120 TPH)

MODEL DM-65 (120 TO 150 TPH)



DRUM MIXER



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COLD AGGREGATE BIN FEEDER



The bins are all-welded and modular in construction, permitting easy addition of bins to meet growing needs. Steep bin wall and valley angles allow free fall of aggregate from the feeders minimizing hold up of materials in the corners and bridging with sticky aggregates. The bins supplied with adjustable calibrate gate opening and variable speed feeder drives, together offer total Proportional control, greater flexibility and accuracy of operations

BURNER

The unit employs a latest technology, high pressure, automatic burner with high-low mechanism for a optimum consumption of fuel, delivering the desired temperature of the mix. The burner is remote with interlock mechanism safety.



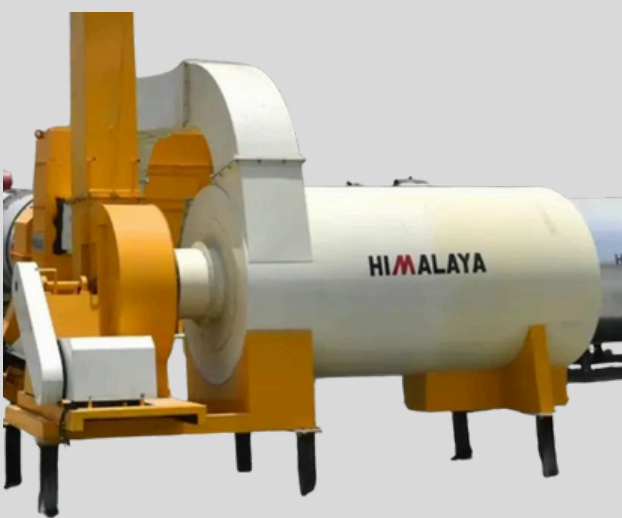
ASPHALT TANK

Fully insulated tank is equipped with separate low pressure electric burner for heating the asphalt. The positive displacement jacketed asphalt pump is provided with hot oil circulation system, all pipelines are hot oil jacketed and insulated. The asphalt pump is coupled with reduction gear box and D.C. Motor. Storage capacity range from 15 -50 Tons.



CONTROL PANEL

Fully computerized control cabin with on board electrical power control console, distribution switch board, fully automatic process and sequence controls are a standard on all Himalaya Drum Mix Series. The control is equipped with function key and it is easy to operate and requires no skilled persons.



POLLUTION CONTROL UNIT

The Wet Dust Collector is a high-efficiency, venture-type system designed to meet environmental standards in designated areas. Its turbulent venture design effectively captures dust-laden exhaust gases, while large stainless steel spray nozzles ensure clog-free operation and minimal water usage.

TECHNICAL SPECIFICATIONS

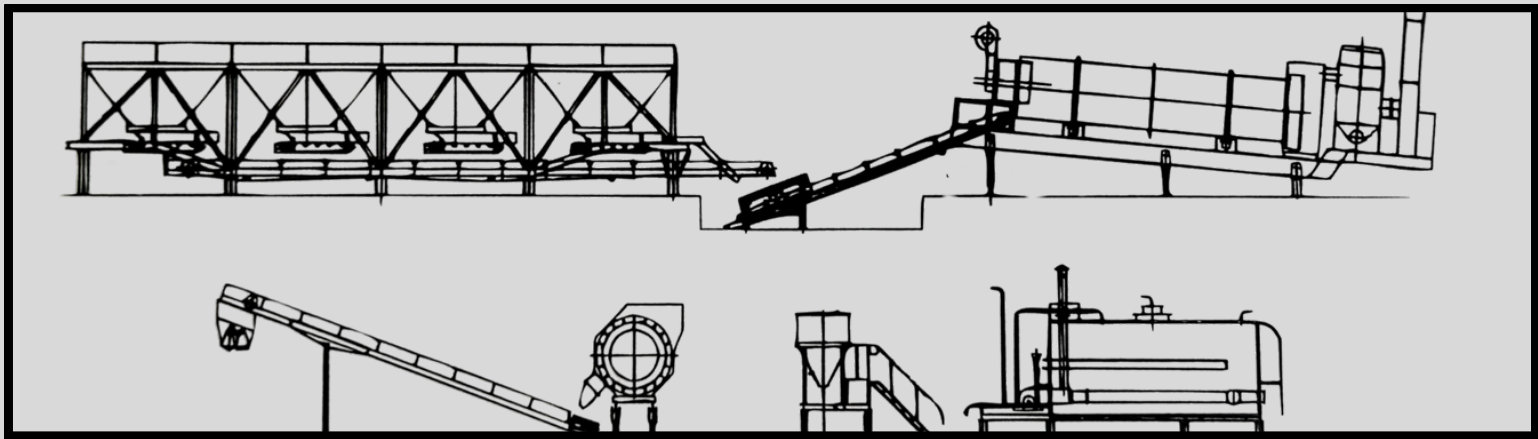
Specification	DM-35	DM-45	DM-50	DM-60	DM-65
Cap. @ 3% Moisture	45 tph	60 tph	90 tph	120 tph	150 tph
Cold Feed Bins					
Bins / Storage Cap.	4 / 20 m³	4 / 20 m³	4 / 25 m³	4 / 31.25 m³	4 / 37.5 m³
Auxiliary Drive	1.1 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW
Auxiliary Conveyor belt	450 × 2.2 m	450 × 2.2 m	450 × 2.9 m	450 × 3.78 m	450 × 3.78 m
Charging Width	2.55 m	2.55 m	3.05 m	3.66 m	3.66 m
Gathering Conveyor Drive	3.7 kW	3.7 kW	3.7 kW	5.5 kW	5.5 kW
Gathering Conveyor Belt	500 mm × 22.4 m	500 mm × 22.4 m	600 mm × 25.6 m	600 mm × 29 m	600 mm × 29 m
Feeding Capacity	80 tph	100 tph	120 tph	150 tph	200 tph
Slinger Conveyor					
Conveyor Drive / W/ Belt	3.7 kW / 500 mm	3.7 kW / 500 mm	3.7 kW / 500 mm	5.5 kW / 500 mm	5.5 kW/500 mm
Thermo Drum Unit					
Dia. x Dryer Length	1.00 m × 5.7 m	1.2 m × 6.1 m	1.54 m × 6.7 m	1.85 m × 7.31 m	1.85 m × 8 m
Driver Motor	15 kW	18.6 kW	18.6 kW	30 kW	44 kW
Drive Gear Box	Heavy Duty Worm Gear				
Burner Unit					
Burner Capacity	250 lph / 3 MW	350 lph / 4 MW	550 lph / 6.5 MW	770 lph / 9 MW	1100 lph / 13 MW
High Pressure Burner	Fully Auto Dual Stage				
Fuel Type	Diesel				
Blower Connected Power	7.5 kW	11.25 kW	15 kW	15 kW	18.7 kW
Bitumen Injection Pump					
Capacity	60 lpm	80 lpm	120 lpm	160 lpm	200 lpm
Pump Type	Hot Oil Jacketed Gear				
Discharge System					
Load Out Conveyor Belt	500 mm × 17.9 m	500 mm × 17.9 m	600 mm × 17.9 m	600 mm × 20.3 m	600 mm × 20.3 m
Gob Hopper Capacity	1.0 ton	1.0 ton	1.5 ton	2.0 ton	2.0 ton



HIMALAYA

ENGINEERING COMPANY

MANUFACTURER OF ROAD & CIVIL EQUIPMENT



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