



# ASPHALT DRUM MIX PLANT

Advanced technology for efficient asphalt production,  
Trusted by contractors worldwide.

## Our Products Range:

- ➔ Asphalt drum mix plant HDM SERIES (20-150 TPH)
- ➔ Mobile asphalt drum mix plant (20-30 Tph)
- ➔ Counter flow drum mix plant (60-120 TPH)
- ➔ Asphalt drum mix with RAP system



[www.himalayaengineering.com](http://www.himalayaengineering.com)



## About us

We present ourselves as a leading manufacturer and exporter of road and civil construction equipment. Our machines are engineered for high performance, durability, reliability, and excellent resistance to wear and tear, enabling them to operate efficiently even under harsh climatic conditions. Designed to deliver higher output, our equipment is widely used across diverse project sites.

Himalaya plants are well known for superior mix quality, lower operating costs, high productivity, energy efficiency, and maximum uptime. At Himalaya Engineering Corporation, we are committed to supporting the nation's economic growth by delivering cost-effective, industrially advanced solutions while adhering to strict total quality management standards.

### Drying & Mixing Drum



We manufacture advanced Drum Mix Plants equipped with automatic control systems, fully compliant with M.O.R.T.H. specifications. The HIMALAYA Thermo Drum incorporates an innovative flight design and advanced heat transfer technology—conductive, convective, and radiative—to ensure efficient heating, uniform mixing, and reduced emissions.

The plant delivers consistent, high-quality hot asphalt mixes with minimal wear and low maintenance requirements. Its compact and portable design integrates the drum mixer, dust collection system, and conveyor into a single unit, making it ideal for both small-scale and large infrastructure projects.

### Bitumen Tank

The fully insulated tank is fitted with an independent low-pressure electric burner for efficient asphalt heating. A positive displacement, hot-oil-jacketed asphalt pump is provided with a complete hot oil circulation system, and all pipelines are hot-oil jacketed and properly insulated to maintain temperature consistency. The asphalt pump is driven through a reduction gearbox and coupled with a DC motor for smooth and reliable operation. The storage capacity ranges from 15 to 50 tons.





## Vibrating Screen

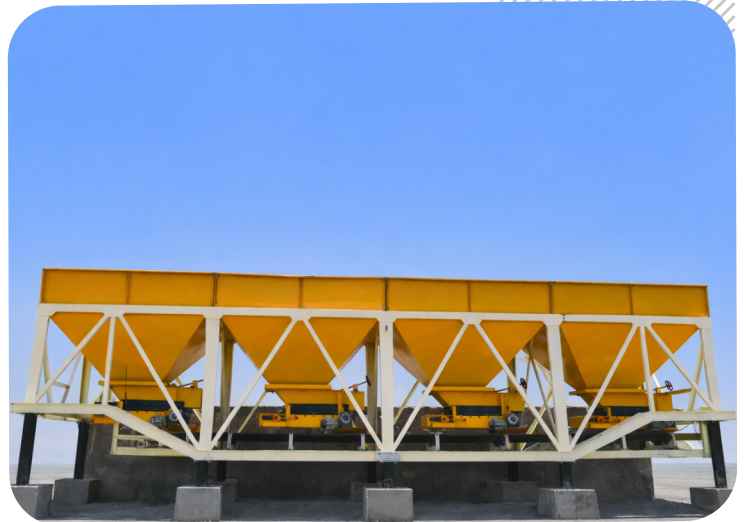


Himalaya Drum Mix Plants are equipped with vibratory screens for effective removal of oversize aggregates. These screens eliminate materials that could be harmful to the heating and mixing thermo drum internals, ensuring smoother operation, enhanced performance, and improved plant safety.

## Cold Aggregate Bin Feeder

The cold aggregate bins feature a fully welded, modular construction, allowing easy expansion by adding additional bins as requirements grow. Steep bin wall and valley angles ensure smooth, free flow of aggregates from the feeders, minimizing material buildup in corners and preventing bridging, even with sticky aggregates.

The bins are equipped with adjustable, calibrated gate openings and variable-speed feeder drives, providing precise proportional control, enhanced operational flexibility, and improved accuracy.



## Pollution Control Unit



The wet dust collector is a high-efficiency venturi-type system designed to meet prescribed environmental standards. Its high-turbulence venturi design ensures effective capture of dust-laden exhaust gases. Large stainless-steel spray nozzles provide clog-free operation while minimizing water consumption and makeup requirements.

## Filler Unit

This unit is designed to add filler or mineral filler from a separate hopper into the drum mix plant. It is driven by a variable-speed DC drive coupled with a gearbox and is synchronized with aggregate and bitumen feeding for accurate proportioning. The filler is conveyed and fed into the system through a blower, ensuring uniform and consistent mixing.



## Control Panel

All Himalaya Drum Mix Series plants are equipped with a fully computerized control cabin featuring an onboard electrical power control console, distribution switchboard, and fully automatic process and sequence controls as standard. The system is designed with user-friendly function keys, making operation simple and efficient without the need for highly skilled personnel.



## RAP System (Standalone Unit)

The standalone RAP (Reclaimed Asphalt Pavement) system is designed for efficient handling, proportioning, and controlled feeding of reclaimed asphalt material into the drum mix process. Built with a robust structure and precise metering arrangement, it ensures uniform material flow and reliable performance.



### Benefits of RAP System:

- Significant reduction in consumption of virgin aggregates and bitumen
- Lower overall asphalt production cost
- Environment-friendly solution supporting recycling and sustainability
- Consistent mix quality through controlled RAP feeding
- Easy integration with existing or new asphalt drum mix plants



## Asphalt Drum Mix Plant with RAP System



The fully integrated asphalt drum mix plant with RAP system is engineered to deliver efficient, economical, and sustainable asphalt production. The RAP system is seamlessly incorporated into the plant layout, allowing precise and controlled introduction of reclaimed asphalt without affecting plant performance or mix quality. This configuration reduces the use of virgin materials, lowers production costs, and supports eco-friendly operations while maintaining high output and consistent quality.

## Counter Flow Drum Mix Plant

The Counter Flow Drum Mix Plant is engineered for high-efficiency asphalt production with superior mix quality and environmental performance. In this system, aggregates move in the opposite direction to the burner flame, ensuring uniform heating before coming into contact with bitumen. This design prevents direct flame exposure to bitumen, resulting in consistent coating, reduced aging, and enhanced durability of the asphalt mix.

### Key Benefits:

- Superior Mix Quality
- Environment Friendly
- Reduced Bitumen Aging
- High Production Efficiency
- Lower Fuel Consumption



## Mobile Asphalt Drum Mix Plant



The Mobile Asphalt Drum Mix Plant is designed to deliver efficient and reliable asphalt production with the flexibility required for modern road construction projects. Its mobile design allows easy shifting between sites without compromising on performance, quality, or output.

### Benefits of RAP System:

- Easy relocation with minimal dismantling
- Fast installation and commissioning
- Consistent asphalt mix quality
- Lower civil and installation costs
- Compact layout suitable for limited site space
- Simple operation with automated controls

### Portable Option:

All plants are also available in portable configuration to meet specific site and project requirements



# Technical Specification

Specification	DM-25	DM-35	DM-45	DM-50	DM-60	DM-65
Capacity @3% moisture (tph)	20-30	30-40	40-60	60-90	90-120	120-150
Cold Feed Bins						
No. of Bins /Capacity	2/15 m³	3/20 m³	4/20 m³	4/25 m³	4/31.25 m³	4/37.5 m³
Auxiliary Drive	1.1 kW	1.1 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW
Auxiliary Conveyor Belt	450 X 2.2m	450 X 2.2m	450 X 2.2m	450 X 2.9m	450 X 3.78m	450 X 3.78m
Charging Width	2.3 m	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	3.7 kW	5.5 kW	5.5 kW
Gathering Conveyor Belt	500mm X 18m	500mm X 22.4m	500mm X 22.4m	600mm X 25.6m	600mm X 29m	600mm X 29m
Feeding Capacity	50 tph	80 tph	100 tph	120 tph	150 tph	200 tph
Slinger Conveyor						
Conveyor Drive/Width	3.0 kW/500 mm	3.7 kW/500mm	3.7 kW/500mm	3.7 kW/500mm	5.5 kW/500mm	5.5 kW/500mm
Thermo Drum Unit						
Dryer Length x Diameter	1.0 X 5.0m	1.00 X 5.7m	1.2 X 6.1m	1.54 X 6.7m	1.85 X 7.31m	1.85 X 8m
Driver Motor	11 kW	15 kW	18.6 kW	18.6 kW	30 kW	44 kW
Drive Gear Box	Heavy duty worm gear					
Burner Unit						
Burner Capacity	180 lph/2.0 MW	250 lph/3 MW	350 lph/4 MW	550 lph/6.5 MW	770 lph/9 MW	1100 lph/13 MW
Burner Type	Fully automatic dual stage					
Fuel Type	LDO	LDO	LDO	LDO	LDO	LDO
Blower Connected Power	5.5 kW	7.5 kW	11.25 kW	15 kW	15 kW	18.7 kW
Bitumen Injection Pump						
Bitumen Pump Capacity	40 lpm	60 lpm	80 lpm	120 lpm	160 lpm	200 lpm
Pump Type	Hot oil jacketed gear type					
Discharge System						
Load Out Conveyor Belt	450mm X 15.0m	500mm X 17.9m	500mm X 17.9m	600mm X 17.9m	600mm X 20.3m	600mm X 20.3m
Gob Hopper Capacity	0.75 ton	1.0 ton	1.0 ton	1.5 ton	2.0 ton	2.0 ton

**With Himalaya's policy of constant upgradation of products specification are subject to change without notice.**

**Accessories shown are optional and not part of the standard supply.**

## GET IN TOUCH!



+91 98250 22874 (Sales)  
+91 99090 22874 (Design &Tech Service)  
+91 99090 22875 (Production)



02762 - 224220

Follow us on:



Visit Our Website



Scan for Address



[sales@himalayaengineering.com](mailto:sales@himalayaengineering.com)



[www.himalayaengineering.com](http://www.himalayaengineering.com)



Plot No. 38, G.I.D.C. Phase-2, Dediyan, Mehsana - 384002, Gujarat, India.