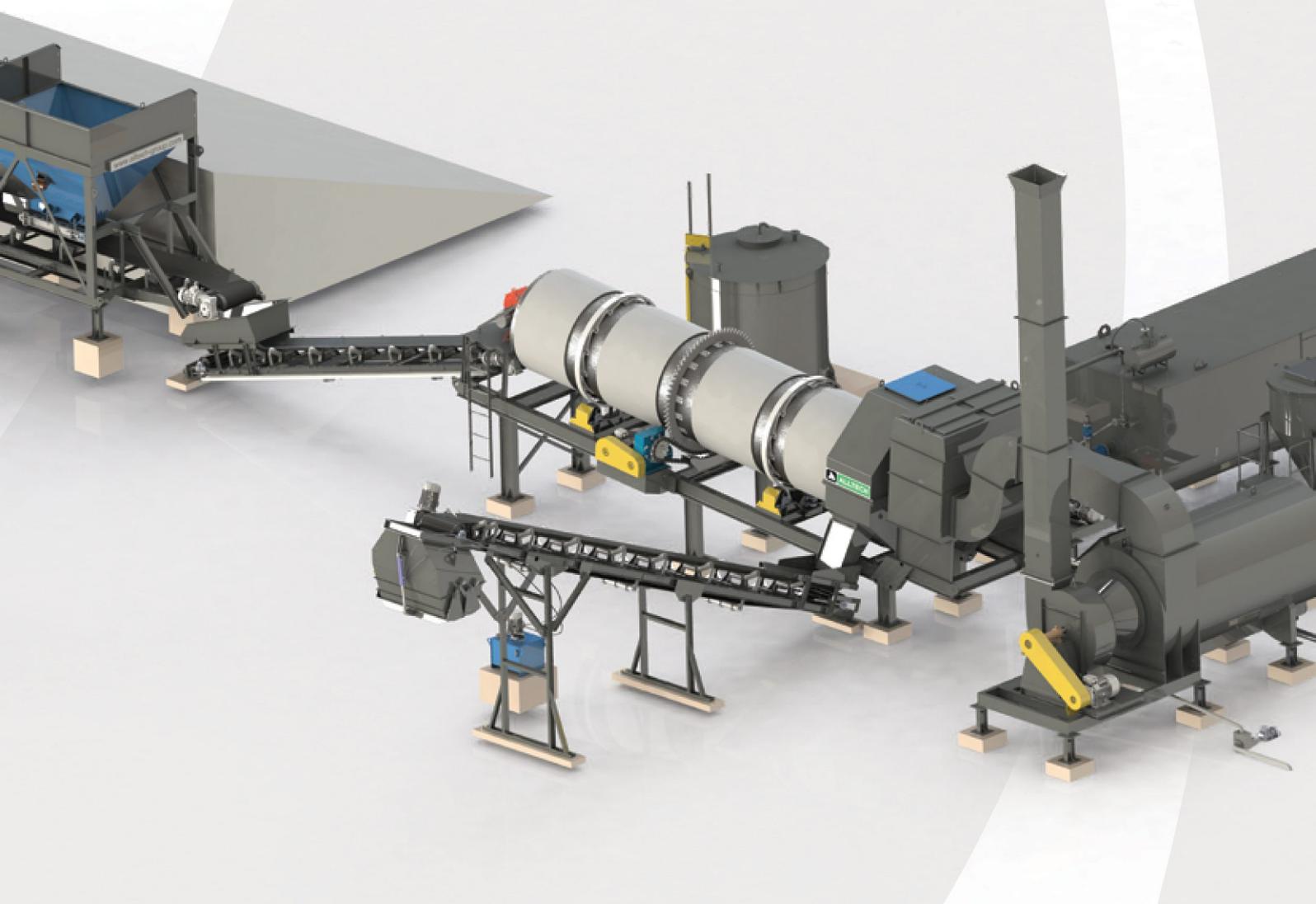




Continuous Mixing Plants

Drum Mix Plants (40 - 120 TPH)
Counter Flow Drum Mix Plants (60-120 TPH)



RUGGED | ROBUST | RELIABLE

www.alltech-group.com



Our Vision:

Building the Roads that Connect Us

To be India's most prominent trusted brand for road construction & maintenance machinery

Our Mission:

100% Customer Satisfaction

Nation building by providing & developing new products for road Construction & maintenance.

-  Customer-First Mind-Set
-  Quality and Attention to Detail
-  Innovative and Creative
-  Proactive about Problem-Solving

Alltech India Limited (formerly known as Alltech Industries India Pvt. Ltd.) is a leading manufacturer of asphalt mixing plants, trusted for engineering excellence, fuel-efficient designs, and reliable performance across diverse road construction environments. With decades of experience and a customer-first approach, we deliver solutions that combine robust mechanical design, intelligent controls, and sustainable technology. Our portfolio ranges from high-efficiency drum mix plants to advanced batch mix systems, all built to maximise production uptime, minimise operating costs, and ensure consistent mix quality.

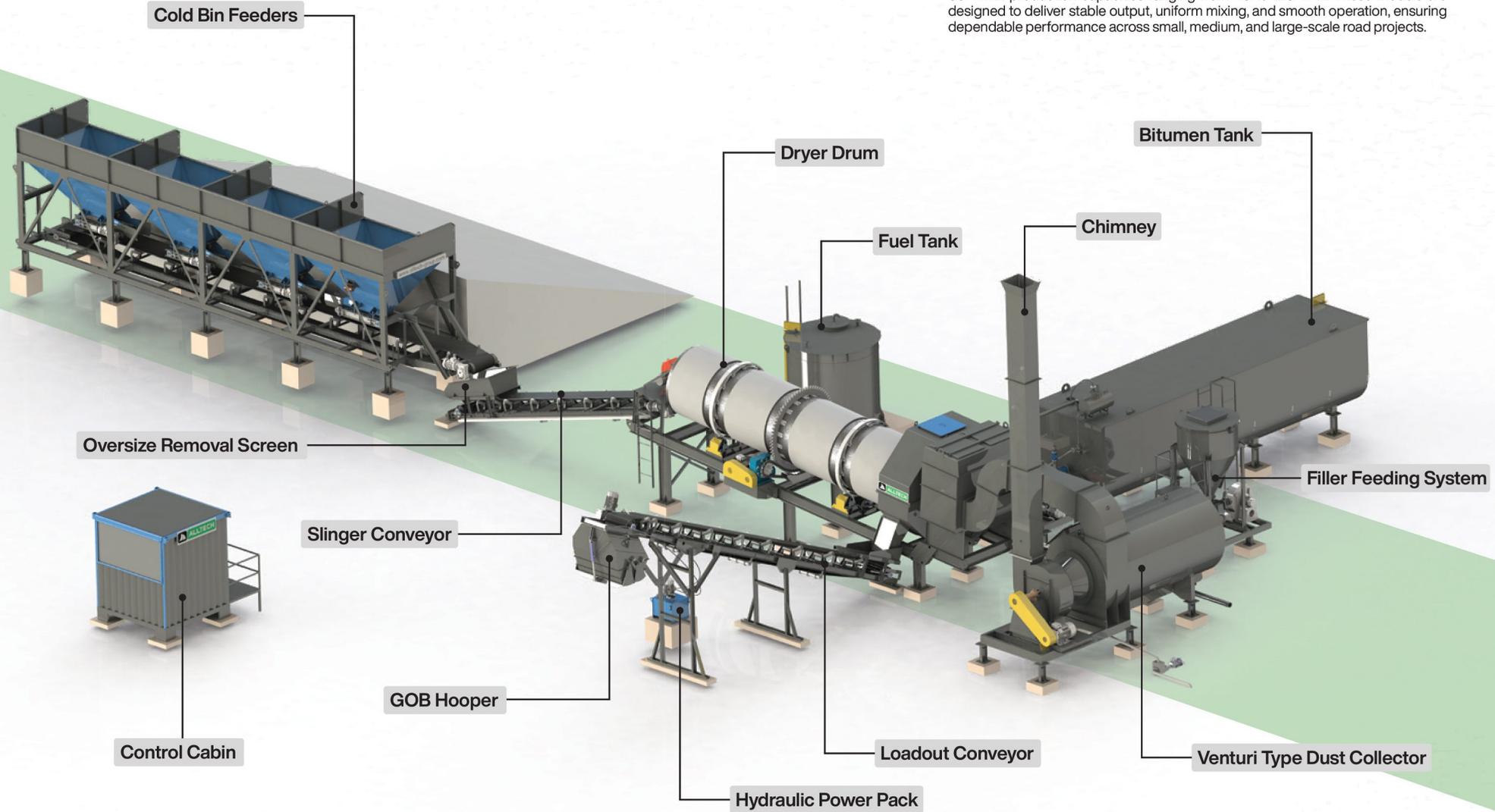
Innovation on Every Path,
Reliability in Every Journey.



Drum Mix Plant Layout

ADM 45/50/60

The ADM series is offered in three robust models—ADM 45, ADM 50, and ADM 60—with production capacities ranging from 40 to 120 TPH. These models are designed to deliver stable output, uniform mixing, and smooth operation, ensuring dependable performance across small, medium, and large-scale road projects.



Our plant layout is thoughtfully engineered to deliver operational ease and superior performance. Every module, from feeders to the drum, burner, and control cabin is arranged for optimal workflow, quick installation, and safe maintenance. The result is a plant footprint that enhances efficiency, reduces downtime, and keeps your production running at peak performance.



Drum Mix Plant

ADM 45/50/60

Alltech's ADM series brings together robust engineering, field-proven components, and intelligent design to deliver dependable, efficient asphalt production. Each feature has been optimised to reduce operating cost, increase uptime, and ensure consistent mix quality, so contractors can rely on the plant for small patch jobs or continuous highway work.

ADM plants are fabricated high-strength steels with precision welding. Structural members and rotating components are designed with service margins to withstand continuous, long-hour operation in harsh site environments.

High **Fuel Efficiency**

Insulated
Dryer Drum

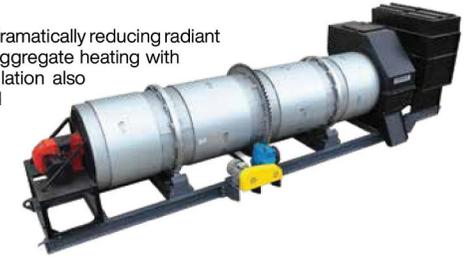
Robust
Quality



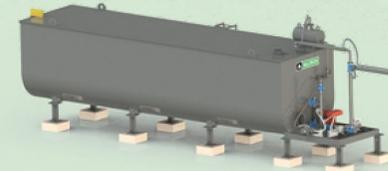
Drum Mix Plant

ADM 45/50/60

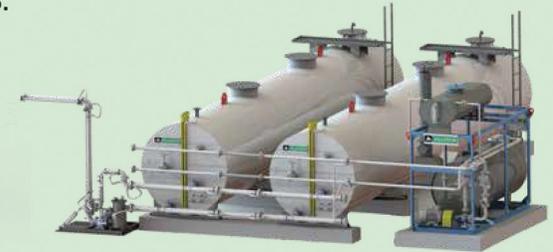
Our dryer drums are lined with high-grade thermal insulation, dramatically reducing radiant and convective heat loss. The result is faster, more uniform aggregate heating with significantly lower fuel consumption per tonne of mix. Insulation also stabilises drum temperatures during short stoppages and transient loads, improving mix consistency and reducing thermal stress on the steel shell, extending service life and lowering lifecycle cost.



Bitumen Storage Tanks:



U-Shape Tank
(Direct Heating)



*(Optional) **Cylindrical Tank**
(Direct/Indirect Heating)

Intelligent Control Panel:



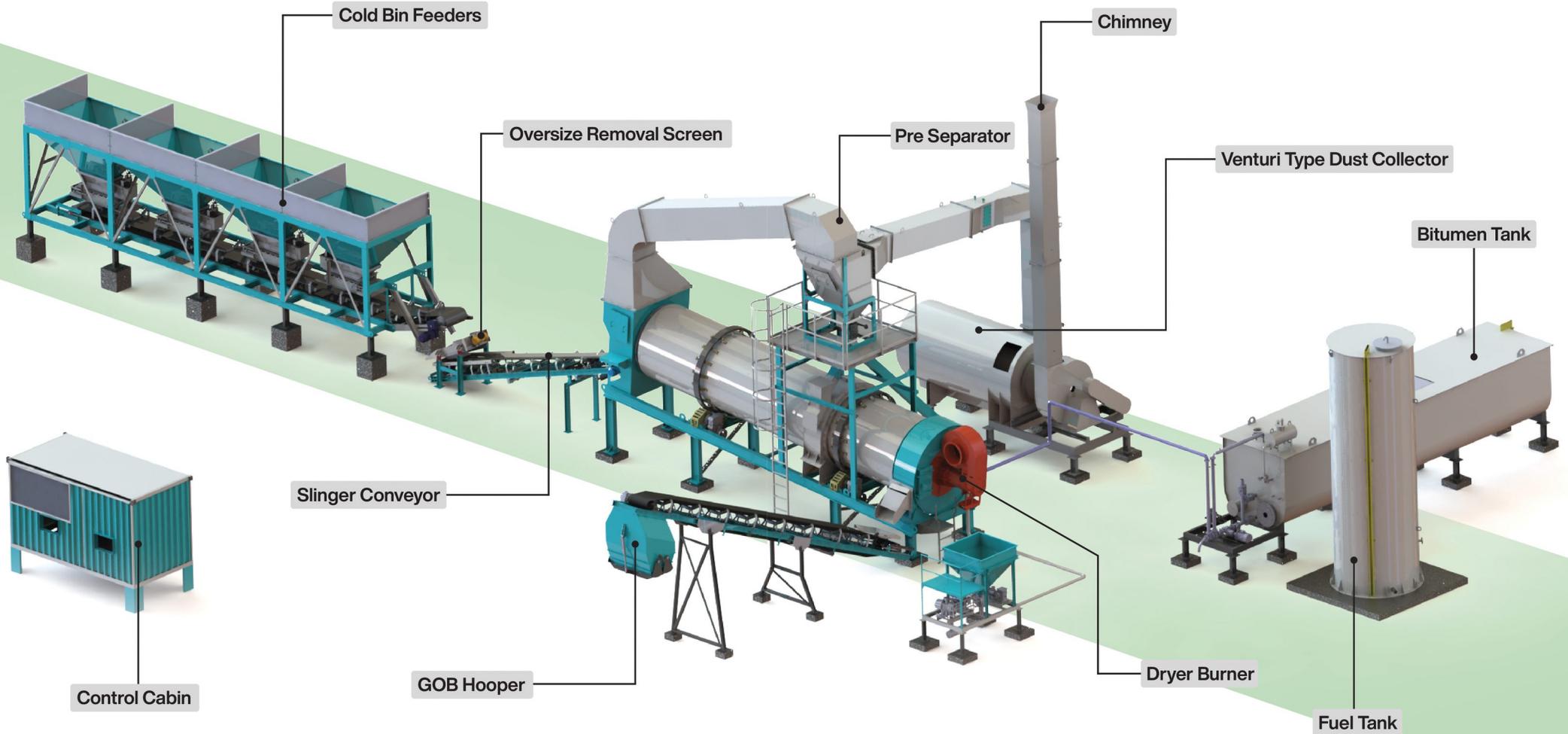
Alltech Drum Mix Plants come equipped with a Microprocessor (FIT) Based Control Panel as standard, delivering dependable and precise control over every core function of the plant. The FIT controller provides stable performance with fast response cycles, ensuring accurate synchronization of overall production parameters. Its design makes it ideal for tough site conditions, offering reliable operation in varying climates. With clear status indicators, push-button controls, and system interlocks, the panel ensures safe, streamlined, and error-free plant operation.

For contractors seeking enhanced automation and better process visibility, Alltech offers HMI and PLC-SCADA systems as optional upgrades.

- The HMI option introduces an interface with parameter display, simplified operation, recipe management, and guided control screens for smoother workflow.
- The PLC-SCADA system provides advanced process visualisation, detailed production reports, trend analysis, data logging, and optional remote monitoring, making it ideal for high-capacity projects and clients requiring superior quality control and traceability.

Counter Flow Drum Mix Plant

Layout



Counter Flow Drum Mix Plant

CFD 90/120

Experience the next generation of asphalt production with our Counter Flow Drum Mix Plant - engineered for efficiency, quality, and sustainability. Its innovative design separates the heating and mixing zones, ensuring a consistent and homogenous mix every time. Integrated RAP collar technology allows the addition of recycled materials and fillers behind the burner flame, boosting performance while cutting costs. With reduced fuel consumption and enhanced mix quality, this plant is the smart choice for moder road construction.

RAP
Compatible

Fuel
Efficient Technology

Optional
Bag House
Intigration

Long Nose Burner:



Alltech's Long Nose Burner is engineered to deliver superior heat transfer, improved combustion stability, and cleaner drum performance. The extended burner design creates a dedicated mixing zone behind the flame, ensuring that the flame front and aggregate-mixing area remain distinctly separated. This separation prevents direct flame contact with the aggregates, reducing the risk of overheating, blue smoke generation, and binder degradation. By keeping the mixing zone shielded from the intense core of the flame, the burner enables more controlled coating of aggregates, improved mix quality, and better control over final mix temperature. With precise air-fuel mixing and compatibility with multiple fuel types, the Long Nose Burner is an ideal choice for contractors seeking maximum efficiency, longevity, and high-performance asphalt production.

RAP Ring:



RAP Ring for the UNIBLACK CFD Series, is a specialised addition mounted on the drying drum, designed specifically to enable the smooth and efficient incorporation of Reclaimed Asphalt Pavement (RAP) into the production process.

This design ensures that RAP is added in a thermally controlled environment, preventing overheating, minimising binder oxidation, and preserving the aged bitumen present in the recycled asphalt. By creating a buffer zone between the high-temperature drying section and the mixing area, the RAP Ring allows the material to warm gradually and blend seamlessly with fresh aggregates.



Technical Specification:

Model	Drum Mix Plants			Counter Flow Drum Mix Plants	
	ADM 45	ADM 50	ADM 60	CFD 90	CFD 120
Rated Output at 3% Moisture Content	40-60 TPH	60-90 TPH	90-120 TPH	60-90 TPH	90-120 TPH
COLD AGGREGATE FEEDERS					
No. Of Bins	4				
Total Storage Capacity (Ton)	50MT (Total)				
Auxiliary Drive Motor	4 x 1.5 kw				
Gathering Drive Motor	3.7 kw				
Bin Vibratory Motor	0.18 kw				
Slinger Conveyor					
Drive Motor	3.7 Kw				
Conveyor Belt	550 mm				
Thermo Drum					
Dryer Drum Unit	1.23 x 6.03 Meter	1.54 x 6.7 Meter	1.85 x 7.3 Meter	1.54 x 8 Meter	1.82 x 9 Meter
Drive Type	Chain Drive				Direct Drive
Drum Drive Motor	15 kw	18.5 kw	30 kw	4.75 kw x 4	
Burner Capacity	2.58 mWh	4.65 mWh	7.95 mWh	10 Mwh	
Burner Type	Automatic Dual Stage		Automatic Dual Stage / Modulating Burner (Optional)		Modulating
Load Out Conveyor With Gob Hopper					
Conveyor Drive Motor	3.7 Kw	5.5 Kw	5.5 Kw		
Gob Hopper Capacity	1.5 MT	2.0 MT	2.0 MT		
Hydraulic Power Pack	2.2 Kw				
Pollution Control Unit (Wet Dust Collector)					
Exhaust Drive Motor	15 Kw	18.5 Kw	30 Kw	37 Kw	
Exhaust Fan Capacity (m³/Hr.)	10500	14500	18500	26000	
Mineral Filter Unit					
Hopper Capacity	1.0 m³				
Pressure Blower Motor	2.2 Kw				
Control Panel	Microprocessor (FIT) Base			PLC - SCADA	
Bitumen Tank					
Bitumen Tank Capacity (U Shape)	20 MT	20 MT	25 MT		
Heating System	Direct Heating				
Fuel (LDO) Tank					
Fuel Tank Capacity (Ltr.)	2000	5000	5000		
Optional					
Fin-line Heater (Heavy Oil)	14.5 Kw	18.5 Kw	18.5 Kw		
Control System	(1 - PLC Control with HMI) & (2- PLC-SCADA)			-	
Accessories					
Filler Silo Capacity Range (MT)	1.5 / 7 MT				
Bitumen Capacity Range (MT)	20 / 25 / 30/50 MT				
Heating System	Direct Heating/ In-Direct Heating				
Thermic Fluid Heater	300,000 to 500,000 kcal /hr				

As per Alltech's policy of continuous product upgrades, specifications are subject to change without prior notice. Output is based on standard ideal conditions.



Committed to Excellence Through Rugged, Robust & Reliable Solutions.



Asphalt Batch Mix Plant (80-320 TPH)



Counter Flow Drum Mix Plant (60-120 TPH)



Bitumen Drum Decanter (2-8 TPH)



Emulsion, CRMB, PMB Plants



Microsurfacing Machine



Bitumen Bag Decanter (4-6 TPH)



RDSO Steel Girders (Heavy Engineering)



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