



CMX COMPACTMIX

ASPHALT MIXING PLANT

Batch Type



LINNHOF

Our Value Propositions

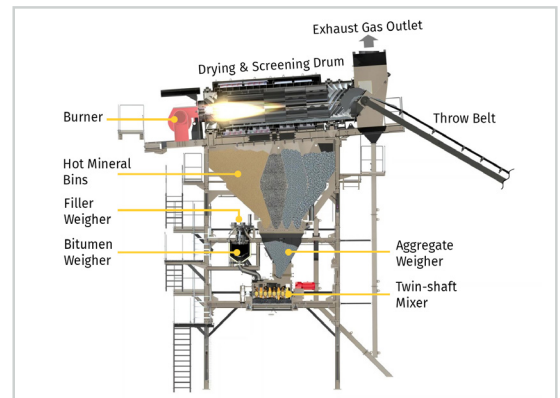
Linnhoff CMX CompactMix

Asphalt Plant is specially designed to be transported in sea containers for economical shipment. Its completely modular structure grants quick setup and dismantling. Powered by our unique Screen Drum technology, the CMX is a cost-efficient compact asphalt mixing plant suitable for medium to long-term projects or commercial sales.



Energy-saving

Our unique dual function double screening drum system combines the drying and screening of aggregates in a single drum, eliminating the need for hot elevator and vibrating screens. Overall operating costs are reduced from less maintenance and fuel savings.



Economical shipping

Linnhoff CMX features an entirely modular structure, with each module configured to be transported in sea containers for economical shipment.





Fast setup and dismantling

Each CMX module is prefabricated in factory, providing swift modular setup and dismantling, reducing installation time and labour costs.



Batch mixing

Separate weighing system equipped with load cells for aggregates, filler, and bitumen to ensure precision and quality of hot mix asphalt.



Environment friendly with pollution control unit

Ambient-air cleaning system cleans exhaust gas and filters dust, ensuring clean air is released into the atmosphere.



Reliable performance

Designed with the combination of cutting-edge technology and high-quality materials and components to reduce wear-and-tear. Less maintenance required without hot elevator and vibrating screens, leading to lower downtime and lower maintenance costs.

Module-by-module Installation



Support structure & mixer modules



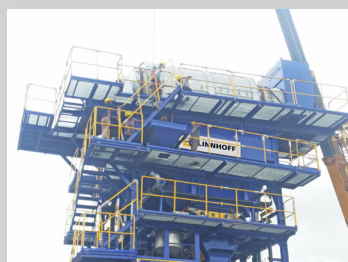
Weigher module



Hot Mineral Bins & Recuperated Filler Silo modules



Baghouse filter module



Screen Drum module

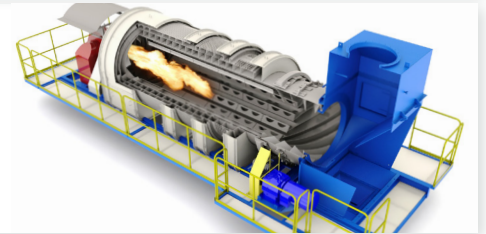
1 Cold Feed Hoppers

- Feeder belt is equipped with shaft-mounted, inverter-controlled motor.
- Sand hopper is equipped with vibrator.



2 Double Screen Drum

- Unique dual-purpose Screen Drum combining drying and screening of aggregates in a single drum.
- Screens are configured for easy maintenance.



3 Hot Mineral Bins

- Located directly below the drum to maximise conductive heat from the Screen Drum and Main Burner.
- Each compartment accommodates generous capacity, providing sufficient aggregates for batching.



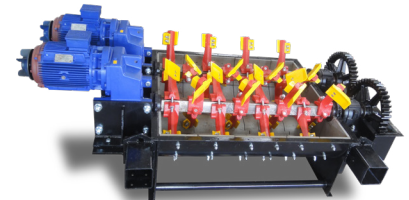
4 Weighing Systems

- Individual weigher with load cells for aggregates, filler and bitumen.



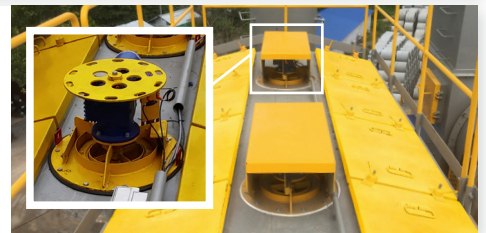
5 Twin-shaft Mixer

- Robust twin-shaft Mixer is equipped with synchronized spur gear and specially designed mixer arms and paddles for shorter mixing time and quality homogeneous hot mix asphalt.



6 Baghouse Filter

- Utilising ambient-air cleaning system to ensure that the exhaust gas and dust are filtered before clean gas is discharged into the atmosphere.



7 Recuperated Filler Silo

- For collecting filtered dust particles to be recycled.



8 Control Cabin

- Control cabin is insulated and dust-proof.
- Automated PLC system with manual override.



Main Components



Images are for illustration purposes only.

Technical Specifications

Model	CMX1500	CMX2000	CMX3000
Capacity*	100-120 tph	140-160 tph	200-240 tph
Batch Cycle Time	45-55 sec.	45-55 sec.	45-55 sec.
Aggregate Temp. Increase	150 °C	150 °C	150 °C
Exhaust Gas Temperature	90-140 °C	90-140 °C	90-140 °C
Number of Hoppers	4 units	5 units	6 units
Volume of Each Hopper	9 m ³	9 m ³	12 m ³
Total Screening Area	28 m ²	43 m ²	83 m ²
Number of Screen Compartments	4 folds	5 folds	5 folds
Type of Fuel	Diesel/Heavy Oil/Gas	Diesel/Heavy Oil/Gas	Diesel/Heavy Oil/Gas
Burner Capacity	7.25 MW	10 MW	12 MW
Hot Mineral Bins Capacity	25 ton	32 ton	45 ton
Aggregate Weigher Capacity	1500 kg	2500 kg	3000 kg
Filler Weigher Capacity	150 kg	300 kg	500 kg
Bitumen Weigher Capacity	150 kg	250 kg	250 kg
Mixer Capacity	1500 kg	2500 kg	3000 kg
Filter Area	450 m ²	528 m ²	810 m ²
Optional Equipment			
Bitumen Tank			
Bitumen Decanter			
Foreign Filler Silo			
Hot Storage Silo			

*Capacity as per standard plant performance based on 3% moisture content.
Specifications are subject to technical modifications.

Project References



CMX1500 - Cambodia



CMX2000 - Nigeria



CMX1500 - Indonesia



CMX1500 - Philippines



CMX1500 - Bangladesh



CMX2000 - UAE



CMX2000 - Myanmar



CMX1500 - Kenya



CMX2000 - Malaysia



CMX1500 - India



CMX2000 - Singapore



CMX2000 - Afghanistan

About Lintec & Linnhoff

Lintec & Linnhoff is a global manufacturer and distributor of leading-edge solutions for the asphalt and concrete industries under the Lintec, Linnhoff and Eurotec brand names. Its products include asphalt mixing plants, concrete batching plants, pavement related technologies and machinery, and specialist concrete cooling solutions. The company's key technologies include Lintec's containerised asphalt and concrete batching plants built in 100% certified ISO sea containers and Linnhoff's screen drum technology.



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