



Base Stabilisation Plant



Mix with Linnhoff Stabiliser for...

Uninterrupted Production

Accurate Proportioning

Homogeneous Blending



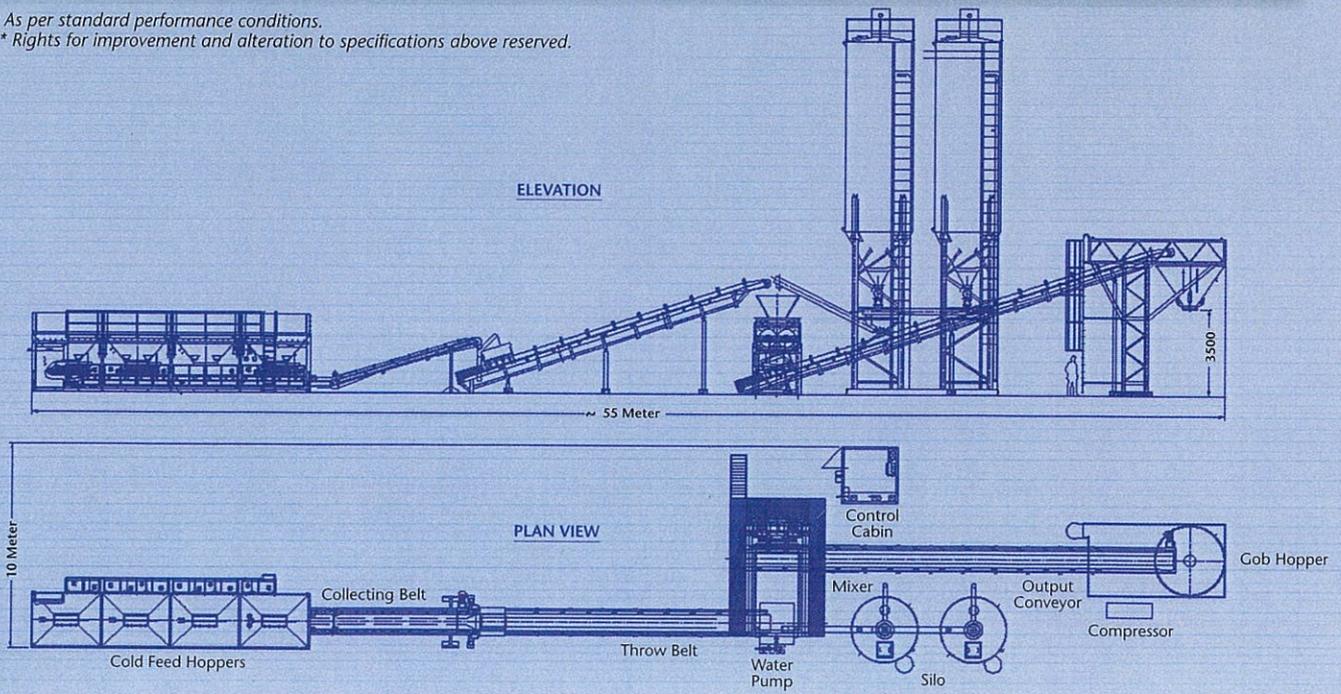
Technical Specifications



MODEL	WM250	WM400	FEATURES	BENEFITS
Capacity*	250 TPH	400 TPH		
1 COLD FEED HOPPERS / 40 ft Containerised				
No. of cold feed hoppers	2+1 (Equipped with vibrators)	2+2 (Equipped with vibrators)	Endless belt feeder	Maintenance free
Tonnage of each hopper	20	25	Shaft mounted gear motor	Less power consumption
Feeder belt capacity	125 TPH	125 TPH	Frequency inverter controlled	Variable speed control
Feeder belt drive motor	2.2 kw	2.2 kw	Continuously weighing	Better accuracy
Feeder belt width	650 mm	650 mm		
Loadcell	3 units	4 units		
2 COLLECTING BELT				
Capacity	250 TPH	500 TPH	Endless belt	Maintenance free
Drive motor	5.5 kw	7.5 kw	Shaft mounted gear motor	Less power consumption
Belt width	650 mm	750 mm		
THROW BELT				
Capacity	250 TPH	500 TPH	Endless belt	Maintenance free
Drive motor	7.5 kw	11 kw	Shaft mounted gear motor	Less power consumption
Belt width	650 mm	750 mm		
3 TWIN SHAFT MIXER (CONTINUOUS MIXING TYPE)				
Number of mixer paddles	44 pieces	52 pieces	Larger paddles arms + tips	Robust, homogeneous mixing
Mixing chamber length	3200 mm	3200 mm	Long mixing chamber	Synchronized mixing
Drive motor	2x30kw, Gear motor	2x37kw, Gear motor		
4 OUTPUT CONVEYOR				
Capacity	250 TPH	500 TPH	Endless belt	Maintenance free
Drive motor	7.5 kw	11 kw	Shaft mounted gear motor	Less power consumption
Belt width	650 mm	750 mm		
MIXED MATERIAL GOB HOPPER				
Hopper capacity	10 tons	15 tons	Buffer hopper	Temporary storage, awaiting truck arrival
Truck height clearance	3.5 m	3.5 m		
5 COMPUTER CONTROL				
Cabin type	Cabin with glass windows, insulated, dust proof and air-conditioned. Pentium computer, 17" LCD monitor, printer, pre-loaded Linnhoff control software system, micro series PLC, switch gear & control gears housed within power and control panel		Complete plant visualization, fully computerised, closed-loop control	Durable, no electromagnetic interference, user-friendly centralised controls
6 AUTOMATIC WATER DISPENSING UNIT WITH ELECTROMAGNETIC FLOWMETER				
Centrifugal water pump	5.5 kw	7.5 kw	Inverter control, volumetric flow measurement	Variable speed control with good accuracy
Electromagnetic flowmeter				
7 CEMENT SILO / SCREW CONVEYOR (OPTIONAL)				
Cement / Additive silos	30 t	60 t	Rotary valve - Inverter control, screw conveyor	Variable speed control with good weighing accuracy
Screw conveyors	Diameter 273 mm	Diameter 273 mm	Suspended on loadcell	

* As per standard performance conditions.

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Linnhoff's Base Stabilisation Plant series has a primary function of producing plant-mixed graded aggregate base for the Base Course of road pavement. In different countries, the terminology used for this base course material may vary. Such names include graded stones, wet-mix, Cement Treated Base (CTB), Roller Compacted Concrete (RCC) & etc. The material encompasses a continuous dense grading envelope, right down to the fine fraction for its density.

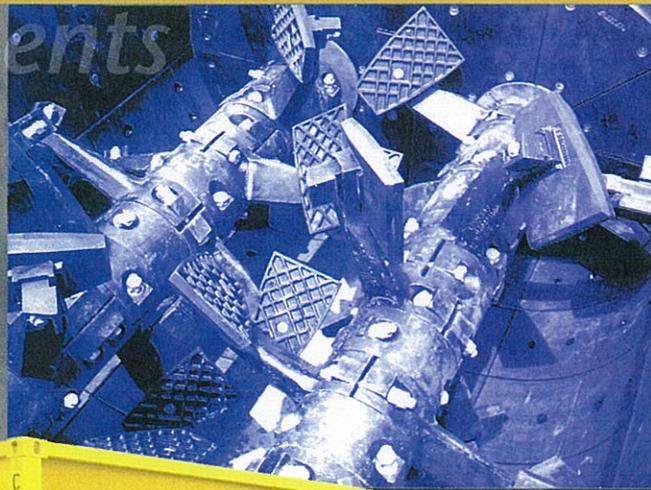
For a proper graded base course material, hoppers receive well graded crush rock and sand, with a continuous pugmill mixer. These materials are thoroughly mixed and water introduced at optimum moisture content. At times depending on the material specifications, cement or lime or flyash is also introduced in the mixer.

From the Base Stabilisation Plant, these road base materials are then spread by motor grader or paved using asphalt finisher in layers, and compacted with rollers. Upon compaction the road base is then able to be trafficked without noticeable impression by construction equipment. Subsequently, asphalt hotmix is paved on top of the road base.

Main Components

Continuous Twin Shaft Pugmill Mixer

Linnhoff's uncompromising counter-rotating motion of twin mixing shafts with a very rugged mixer construction ensures continuous uninterrupted production of materials. Specially cast paddles arms and tips as well as durable liners are made of Ni-Hard material, a protection against wear. Sturdy drive of Linnhoff's mixer coupled to the shaft eliminates misalignment and wear under heavy load.



Cold Feed Hoppers

Sand and graded aggregates are compartmentalized with side walls in a containerized structure for easy shipment, transportation and installation. Each feeder having shaft mounted gear motor and frequency inverter control with loadcell weighing connection ensuring accurate measurement of plant production.



Computer Control

Computer controls housed in a control cabin with glass windows for convenient vision of plant surrounding is dustproof, insulated and air-conditioned. User friendly computerized system shows full graphical plant visualization and equipped with frequency inverters, Programmable Logic Controller (PLC), Computer CPU, Voltage Stabilizers & etc.

Other Plant Models



Modular Asphalt Plant



Tower Asphalt Batching Plant



Mobile Asphalt Batching Plant



Hot Recycling Plant

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