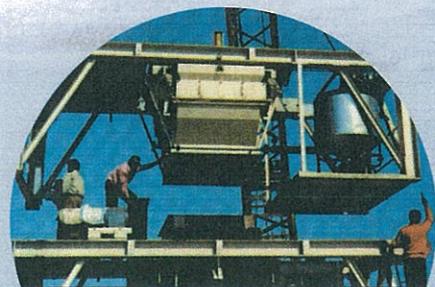


ASPHALT BATCHING PLANT



- > *More Output*
- > *Robust & Durable*
- > *Low Operating Cost*



**MODULAR
SCREEN PLANT
(MSD)**

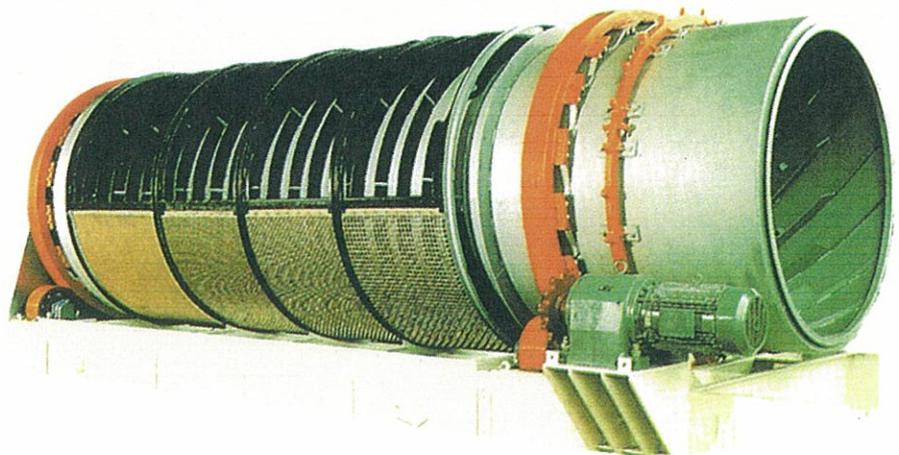
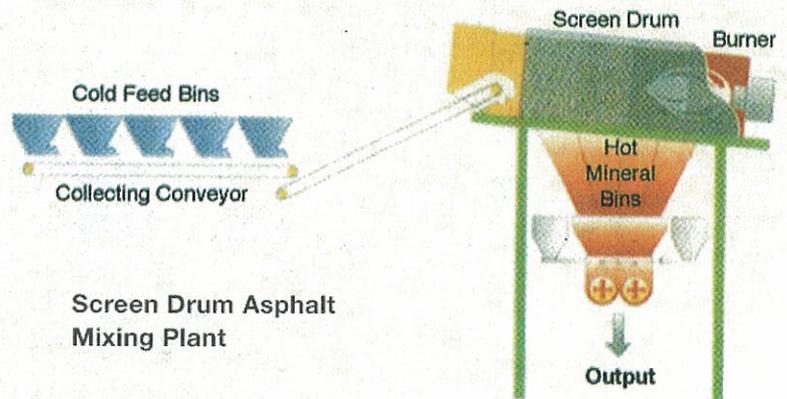
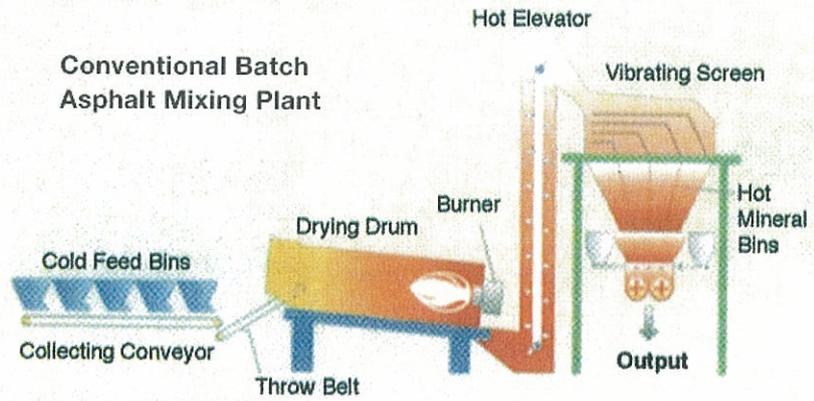
Technical Specifications

MODEL	MSD-2000	MSD-2500		
Plant Capacity	120-160TPH	160-200TPH		
COMPONENTS			FEATURES	BENEFITS
1. COLD FEEDER No. of Cold Feed Bins Volume of Each Bin (m ³) Feeder Belt Capacity Feeder Belt Drive Motor	VARIABLE SPEED BELT FEEDER 4 (1 equipped with Vibrator) 6m ³ 60 TPH 3 x 1.5kW, 1 x 2.2kW	5 (2 equipped with Vibrator) 9m ³ 80 TPH 3 x 1.5kW, 2 x 2.2kW	Endless belt feeder Shaft mounted gear motor Frequency inverter control	Maintenance free Less power consumption Better accuracy
2. COLLECTING BELT Capacity Drive Motor	ENDLESS BELT 160 TPH 5.5kW	200 TPH 7.5kW	Endless belt Shaft mounted gear motor	Maintenance free Less power consumption
3. THROW BELT Capacity Drive Motor	CLEATED BELT 160 TPH 9.2kW	200 TPH 11kW	Endless belt (no elevator) Shaft mounted gear motor	Maintenance free Less power consumption
4. DRYING & SCREENING DRUM Drying Capacity Drum (dia. x length) Drum Drive Motor Number of Screen Sections Total Screening Area	INCLINED SCREEN DRUM 120 TPH @5% H ₂ O 1900mm x 8300mm 37kW, chain drive 5 section (2 for sand) 32m ²	160 TPH @5% H ₂ O 2400mm x 8300mm 45kW, chain drive 5 sections (2 for sand) 40.5m ²	Rotary (no vibrating) screen	Less wear & tear on screens Better heat utilisation
5. BURNER c/w BLOWER Type of Fuel Heat Input Fuel Consumption Fuel Pump Blower Capacity Blower Drive Motor	FULLY ENCLOSED, HIGH PRESSURE Diesel/Heavy fuel oil 9.5MW 200-800 kg/hr 32 bar 5.5kW 12,000 m ³ /hr 30kW	Diesel/Heavy fuel oil 14.2MW 300-1,200 kg/hr 32 bar 5.5kW 18,000 m ³ /hr 45kW	High pressure burner, enclosed type	Less fuel consumption Low noise level
6. HOT MINERAL BINS & WEIGHERS Total Capacity Discharge Flap Compressor	4 COMPARTMENT WITH OVERFLOW & OVER SIZE CHUTES 32 tons 4x2-stage pneumatic actuator 1000 lpm@7 bar & 7.5kW	32 tons 4x2-stage pneumatic actuator 1430 lpm@7 bar & 11kW	32 tons capacity	Sufficient material for batching Less plant stoppage & overflow
WEIGHER SYSTEM Aggregate Weigher Capacity Discharge Filler Weigher Capacity Discharge Bitumen Weigher Capacity Discharge	LOAD CELL, ELECTRONIC WEIGHING 2000kg 2x pneumatic actuated flap 250kg 2x butterfly valve (pneumatic) 250kg Gravity flow	2500kg 2x pneumatic actuated flap 300kg 2x butterfly valve (pneumatic) 300kg Gravity flow	2 Stage mineral flap Butterfly valve discharge Gravity discharge	Better dosing accuracy Shorter cycle time No filler leakage Less oxidation
7. MIXER Mixing Capacity Mixing Drive Motor	TWIN SHAFT SYNCHRONISED SPUR GEAR 2,000kg 2 x 30kW	2,500kg 2 x 37kW	Larger paddles arms & tips	Shorter mixing time Homogeneous mix
8. POLLUTION CONTROL Filter Area Exhaust Fan Drive Motor Damper Recuperated Filler Hopper Filler Screw Conveyor	AMBIENT AIR CLEANING BAG FILTER 550m ² 75kW Servo-motor driven 18m ³ capacity 1 x 5.5kW	700m ² 90kW Servo-motor driven 25m ³ capacity 1 x 7.5kW	Differential pressure ambient air cleaning (no air compressor) Aluminium cages	Lower fuel consumption Longer bag service life Maintenance free
9. CONTROL ROOM Cabin Type Control	CENTRALISED CONTROL & POWER PANEL Container with glass windows at front and both sides, insulated, dust proof and air-conditioned Pentium computer, 17" monitor, printer, pre-loaded windows NT operating system, pre-loaded Linnhoff control software, keyboard, micro series PLC, switch gear & control gear housed within power and control panels		European components & cable Soft starter	Durable & no electromagnetic interference Smaller genset required
10. HOT STORAGE SILO * Silo Capacity Feeding to Silo Winch Drive System Heat Preservation Mix Discharge	2 COMPARTMENT, RECTANGULAR SECTION 110 ton 2 ton skip bucket and runway 1 x 22kW motor Fully insulated silo and electrically heated discharge cones Pneumatic actuated discharge gate	110/220 ton 2.5 ton skip bucket & runway 2 x 22kW motor	Mineral wool insulation Electrical heating gate Special bucket discharge	Longer storage time No plug feeding Minimise segregation

* Optional Item

Screen Drum Technology

The screen drum asphalt mixing plant differs from the traditional batch plant in the way the hot aggregates are screened and transported.



BENEFITS

- *Low maintenance*
- *Energy saving*
- *Compact design*

UNIQUE FEATURES

- *No hot elevator*
- *No vibrating screen*
- *Dual purpose screen drum*

Incorporating



Hot Recycling



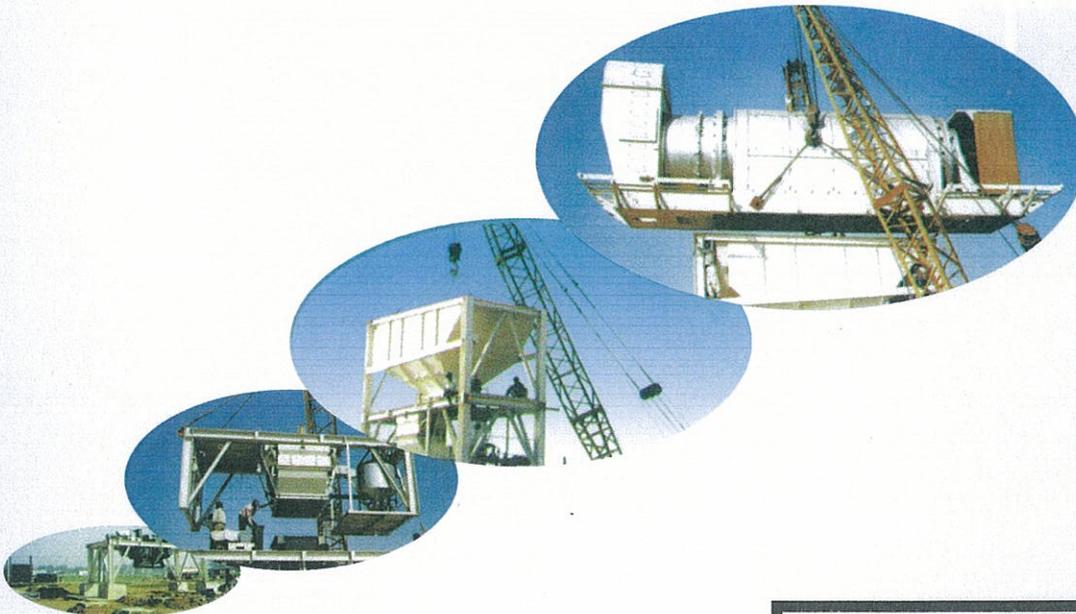
Cold Recycling



Long Term Storage Silo



Mastic Asphalt



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