

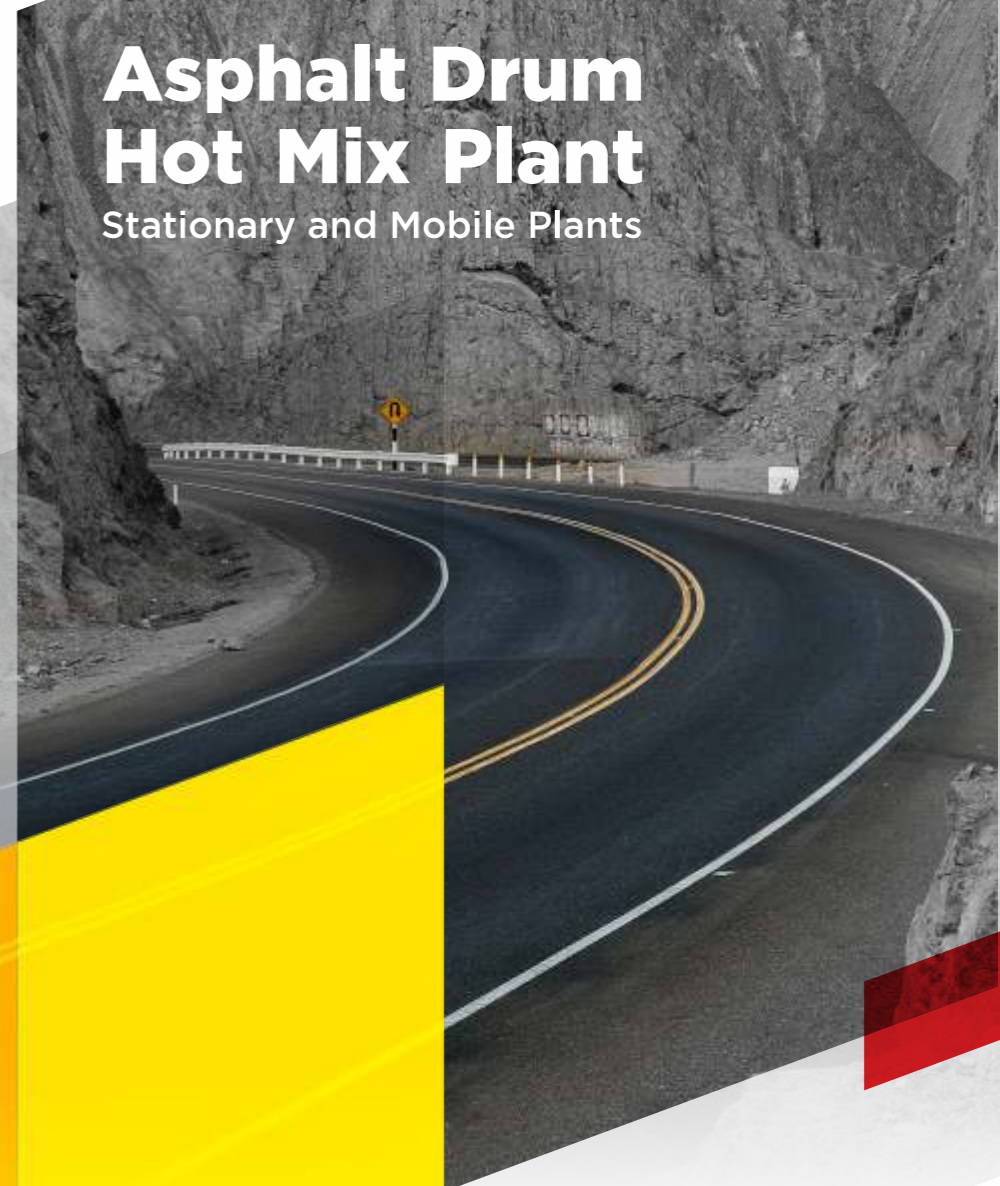
OUR CLIENT NETWORK



www.coninfra.in

Asphalt Drum Hot Mix Plant

Stationary and Mobile Plants



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One Stop Solution

for your all Construction
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EQUIPMENTS PRIVATE LTD

ABOUT US

We, **CONINFRA Machinery Pvt. Ltd. (CMPL)**, are a prominent Construction Equipment Manufacturing Companies of India based in Ahmedabad (Gujarat) and also a leading exporter of Hot Mix and Wet Mix Plants & Concrete Batching Plants.

CONINFRA Machinery Pvt. Ltd. (CMPL) is a family owned and operated business. Continuing on a philosophy that has spanned two generations, we treat all of customers an integral part of family. At Coninfra, we just don't sell equipments, we provide solutions. We just don't make clients, we make friends.

Our commitment to offer a complete range of efficient road construction equipments has got only since our inception. We maintain our exceptional quality of road construction equipments with zero- tolerance to error. Our products are not only adhering to the stringent National and International Standards, but are also popular in various countries of the World besides all the states in India.

We are a proud ISO 9001 :2015 certified company. The in- house testing laboratories that include sophisticated and sensitive testing equipments test the products for quality and reliability under the supervision of proficient engineers. This ensures the manufacture of peerless products and a guarantee for consistent performance.



Our cardinal objective is to serve a wide array reliable and high quality machines of industries with low cost



Mr. Saumil Shah returned to India in 2006 with a MBA degree from USA as well as International Exposure and a dream of building world class manufacturing facility that can contribute to the growth of his country. Mr. Saumil Shah has more than 14 years of experience in road construction equipment manufacturing industry. He is one of the promoters of Kaushik group, leading road construction equipment manufacturing in India. Under his dynamic leadership the company has seen major export and domestic growth as well as established joint venture & technical alliances. It was only natural for him to diversify into equipment manufacturing of concrete construction equipment. He is a leader with a vision who can think big, aim high and achieve nothing but the best. His focus is on bringing in the finest technology products and expertise to the industry, with an aim to deliver complete and reliable solutions.

OUR VISION

Our Vision is to be the leading company in road construction machinery domain by improving the successful status gained within the Country and abroad and obtain customer satisfaction as a reliable, a straightforward and as successful company.

ADVANTAGES

- High fuel efficiency and Lower carbon foot print
- European quality standards
- Extremely rapid erection and implementation times with options like steel foundation and plug socket cabling
- Efficient world class bag filter for stringent pollution norms

OUR GOALS

- Becoming a leading global manufacturer in road construction machinery sector.
- Maintain and develop our brand leading status in the construction machinery market.
- Prioritize our customer and employee satisfaction
- Continuous product development and innovation.
- Rewarding and highlighting quality.

CONINFRA Machinery Pvt. Ltd. (CMPL) automatic Asphalt Stationary Drum Mix plants, compliant to the latest M.O.R.T.H. (previously known as M.O.S.T.) specifications, are designed and engineered to give trouble-free performance with superior fuel efficiency.

Our pursuance to offer our customers the best and constant up-gradation of products; today showcases exceptional and unmatched product refinement in our asphalt plants. Available in capacities ranging from 20 to 150 TPH output in different models.

ASPHALT DRUM MIX PLANT

DM-25
20-30 TPH

DM-45
40-60 TPH

DM-50
60-90 TPH

DM-60
90-120 TPH

DM-65
120-150 TPH



DRYING & MIXING UNIT

The Drying and Mixing unit of the asphalt plant demands complex flight design and heat transfer technology. With our passion to build the best machines, continuous R & D and incorporation of the latest design up gradations, CMPL thermodrum is way ahead of competition.

The CMPL thermodrom unit follows a triple heat transfer system that ensures a total transfer of heat to the aggregates, translating into higher productivity and lower fuel consumption. The heat is transferred to the aggregates using the conductive, connective and radiation techniques.

The field proven unique flight design ensures total heat transfer, a thorough mixing & coating, lower emissions and prevention of bitumen oxidation.

FILLER STORAGE UNIT

Coninfra offers a wide range (1.5-50 tons) of filler storage and feeding solutions for the customers to choose from, depending on the site requirements. A variable speed computerized synchronized metering system ensures the right proportioning in the mix.

BITUMEN INJECTION

A high capacity hot oil jacketed gear type pump, controlled by an AC variable speed drive feeds the metered amount of Bitumen into the mixing section of the thermodrum unit. The fully automatic SCADA / PLC / Microprocessor control ensures a precise metering of bitumen.

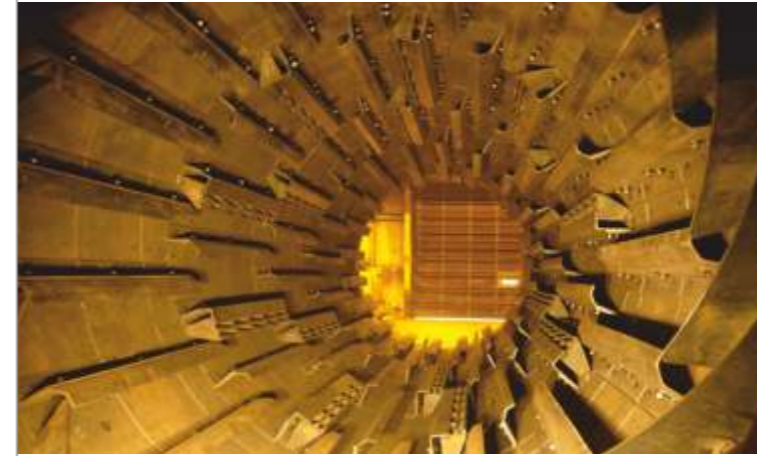
COLD AGGREGATES BIN FEEDERS

The bins are all-welded and modular in construction, permitting easy addition of bins to meet growing needs. Steep bin walls and valley angles allow free flow of aggregates from the feeders minimizing hold up to materials in the corners and bridging with sticky aggregates. The bins supplied with adjustable calibrated gate openings and variable speed feeder drives, together offer total proportional control, greater flexibility and accuracy of operations.



OVERSIZE REMOVAL VIBRATORY SCREEN

The CMPL Series asphalt plants are supplied with oversize aggregate removal vibratory screens. It is positioned at the end of cold aggregate feeder. Any oversize material, detrimental for the heating and mixing thermodrum internals, are screened out ensuring better performance and safety of the plant.



DRUM MECHANICS

The 30-120 Tph plants are supplied with a low maintenance cradle type drum drive. The auto lubrication system ensures proper and adequate lubrication on the chain drive thereby ensuring long life of machine with trouble free service. Optionally a four wheel friction drive, which is a standard on the 120 Tph and higher models, can be supplied.

Specially treated sprockets, thrust wheels, trunion rings & trunion rollers, engineered precisely for flawless and trouble free dryer drum rotation, ensures unlimited productivity.

BURNER

The high pressure atomized, fully automatic remotely controlled burner unit has already gained an enviable reputation for its fuel efficiency, ease of operation and high uptime. Completely automatic process controls with system interlocks ensure conformance to high safety standards.

This burner is suitable to use LDO /Diesel/FO as fuel and is fitted with remote control system to detect flame failure and have electric spark ignition system. Our unique nozzle system allows cleaning during running condition thus allowing zero downtime.



POLLUTION CONTROL DEVICES (OPTIONAL)

CV SERIES - WET DUST COLLECTORS

CV Series is a venturi type high efficiency wet dust collector that maintains the required environmental standards in specific areas. The extreme turbulence type venturi design ensures a very good entrapping of the dust laden exhaust gas. Large stainless steel spray nozzles provide a clog free operation and assure minimum water make up requirements. The adjustable venturi throat permits "fine tuning" to get optimum cleaning efficiency for the plant operating conditions.



BAG HOUSE FILTER UNIT

We have developed a state of the art free air flow type bag house filter unit especially for asphalt application with specially treated metaaramid filter elements. This zero maintenance design keeps emissions at less than 50 mg/Nm³, which meets international pollution control norms. This environment friendly unit has low operation cost & long life.



HOT MIX SILO

Coninfra Equipments Works offers a complete range of customized solutions for asphalt storage. The standard range includes MONOPAK and TWINPAK systems. MONOPAK silos are available with storage capacities from 10 to 80 Tons. The TWINPAK silos are available with storage capacities ranging from 50 to 80 Tons with an additional feature of storing different mix designs. Various storage combinations can be availed by opting for customized MULTIPAK designs. The silos are supplied with automated standard safety controls and process interlocks. The storage silos can be supplied with skip hoist arrangement, hot bucket elevators or swiveling loadout conveyors.



BITUMEN HEATING & STORAGE SOLUTIONS

With CONINFRA Machinery Pvt. Ltd. (CMPL), customers can opt for a direct heating type or hot oil heated bitumen storage tanks. Storage capacities range from 10 tons to 50 tons.

The indirect heating tanks are supplied with a Japanese design thermic oil heater. The Direct heating tanks are supplied with automatic imported pressure jet burner.

As a standard, all CMPL tanks are supplied with auto thermostatic controls, hot oil circulating systems and jacketed bitumen pump. The tanks are fully insulated to minimize the heat loss and are provided.



CONTINUOUS ELECTRONIC BELT WEIGHING SYSTEM

The State-of-the-Art SCADA system processes and meters the mix proportioning. The feedback from the Load cell is processed by the PLC, which further automatically controls and processes the bitumen and filler proportioning.

CONTROLS

Fully computerized control cabin with on board electrical power control console, distribution switch board, fully automatic process and sequence controls are a standard on our KEW series plants.

A user friendly software gives you total reliability and ensures top notch performance.

- Fail proof interlocks and auto process controls
- Online fault detection
- Online printing facility
- Provisions to print, store and edit production details, mix proportions, etc.
- Display of all process control parameters
- Automatic, semi-automatic & manual operation
- The control is equipped with function keys and numeric keys and does not require special skills for operation.



MOBILE DRUM MIX PLANT

MDM-25
20-30 TPH

MDM-45
40-60 TPH

MDM-50
60-90 TPH

MDM-60
90-120 TPH

MDM-65
120-150 TPH



MDM-50/MDM-60/MDM-65 with pollution control unit STANDARD CONFIGURATION

- Chassis 1 -Drying & Mixing Unit with pollution control unit
- Chassis 2- Cold Aggregate Three/ Four Bin Feeder with Slinger conveyor
- Chassis 3 - Bitumen Tank
- Chassis 4 - Electrical Control Panel inside Cabin, L.D.O./Fuel Tank & Mineral Filler Unit

MDM-45 with pollution control unit STANDARD CONFIGURATION

- Chassis 1-Drying & Mixing Unit with Load out Conveyor & Gob Hopper
- Chassis 2 - Cold Aggregate Four Bin Feeder with Slinger conveyor
- Chassis 3 - Bitumen Tank, L.D.O./ Fuel Tank & Mineral Filler Unit
- Chassis 4 - Electrical Control Panel with Fully Furnished Cabin & Optional D.G. Set

MDM-25 STANDARD CONFIGURATION

- One Single Chassis consisting Drying & Mixing Unit, Cold Aggregate Four Bin Feeder, Conveyors, Gob Hopper & L.D.O./Fuel Tank
- Bitumen Tank with towing system
- Fully Furnished Cabin with Electrical Control Panel on towing system

CONINFRA automatic asphalt drum mix plants, compliant to the latest M.O.R.T.H. (previously known as M.O.S.T.) specifications, are designed and engineered to give trouble-free performance with superior fuel efficiency. Our pursuance to offer our customers the best and constant up-gradation of products today showcases exceptional and unmatched product refinement in our asphalt plants.

Our MOM (Mobile) series offers customers the industry's finest & proven technical solution, latest generation process controls and automation together with total installation and site support, aimed to deliver precisely mixed quality asphalt - productively and profitably. Coninfra design team facilitates custom built asphalt plants to meet specific site demands and requirements. Available in capacities ranging from 20 to 150 TPH output in different models.

ADVANTAGES

- Rapid Erection and lower implementation time
- Perfect for remote areas and / or short duration projects
- Completely pre-wired with socket arrangements-plug and play
- Customized solutions to meet specific transportation norms
- Sets up and packs up with a minimum number of loads



BITUMEN DRUM MELTING UNIT (DECANTER)

Capacity - 3 Tons to 7 Tons per Hour



SALIENT FEATURES

We are manufacturing Bitumen drum decanter which is robust and rigid heavy structure made from standard steel. There are two parts in unit, upper part is calling Heating Chamber and lower part is storage tank for melt bitumen. Heating chamber and storage tank is fully insulated with 75 mm Rockwool.

Use of hot oil heating coils to indirectly heat up asphalt which can prevent asphalt quality from aging during heating. Seamless tubes are used for heating unit which are 2.9mm thick and tested at 2000 psi.

There is drum loading system by means of hydraulic cylinders and power pack to decreasing man power and production cost also.



Model	Capacity/hr.
2 x 9	3 tons
2 x 10	3.5 tons
3 x 9	5 tons
3 x 10	5.5 tons
4 x 9	6.5 tons
4 x 10	7 tons

Also as per requirement of customer.



We are leading and reliable manufacturer of road and civil construction equipments since 1997. We introduce our new product "Bitumen drum Melting Unit" is used for taking Bitumen out of drums and heating up Bitumen used by Thermic oil Heater. It is very effective than batch type drum melting system which is greatly saves energy sources, manpower and eco-friendly. Coninfra Bitumen Drum Melting Unit (Decanter) designed for reliable and easy operation.

THERMIC BOILER

- 3,00,000 - 15,00,000 kcal/h capacities
- Can be used separately from control cabin
- Can be run or run out by automatic min-max temperature control time
- High-low pressure control
- Level gauge for thermal-oil. /voiced and lightened warning system
- Thermal circulation pump
- High Efficiency





ANCILLARY EQUIPMENTS

THERMOPLASTIC PRE HEATER

- Thermal Oil Jacketed Thermoplastic Preheaters, having a capacity of 300 Kgs. (12 Bags)
- New heating system and stirring system designs improves its melting efficiency.
- It is made of special steel with scorch resistance, heating resistance and oxidation resistance and melting quality is much better.
- Vertical Type Mechanical agitation, provided horizontal & vertical stirrer agitations blades.
- Provide Heat eliminating glass wool insulation on outer portion.
- Skid Mounted, Ideal to be transported or Mount on a small 1Ton Capacity Tempo / Vehicle.



MOBILE SPOT MIX PLANT

- 6-10 TPH Capacity
- Batch type with self-contained continuous drying and separate batch mixing unit
- Mounted on four nos. pneumatic wheels
- Drawbar with foldable feed elevator & Chimney
- Powered by Simpson S433 Water cooled Diesel Engine, LAP Burner, Exhauster & Blower
- Reduction Gear Box, Temperature Gauge
- Pug Mill Mixer
- Telescopic Jacks (optional)



CHIPS SPREADER

- Mechanical Chip Spreader attachment
- Perfect for chip and tar operations on roadways
- It can be mounted on standard tipper and Tractor Trolley
- 2500 mm spreading width
- The drive is transmitted from the tyre through dog clutch mounted on lay shaft
- Easy clutch cut off System
- Constructed with 12 mm and 8 mm Steel Plates Square Pipes



- For application of Hot Thermoplastic marking on Roads
- User friendly, Easy to operate and for application of precise an extraordinary strength and gives consistent performance and break free operation.
- Hand Push Type Self Propelled Thermoplastic Road Marking Machine
- Rotor Glass Bead System
- Stainless Steel Tank and agitator with vertically mounted agitating arm.
- Front Mounted Pointer Guide adjustable according to laying shoe size.
- LPG Heating System
- Hand Torch for safe lighting of burners.
- Glass Beads Storage Box with window.
- Auto Lockable Rear Wheel capable of straight & fine alignment of markings
- Suitable for small as well as big projects.
- For different line width, only need to change the marking shoe with different size.

TECHNICAL INFORMATION

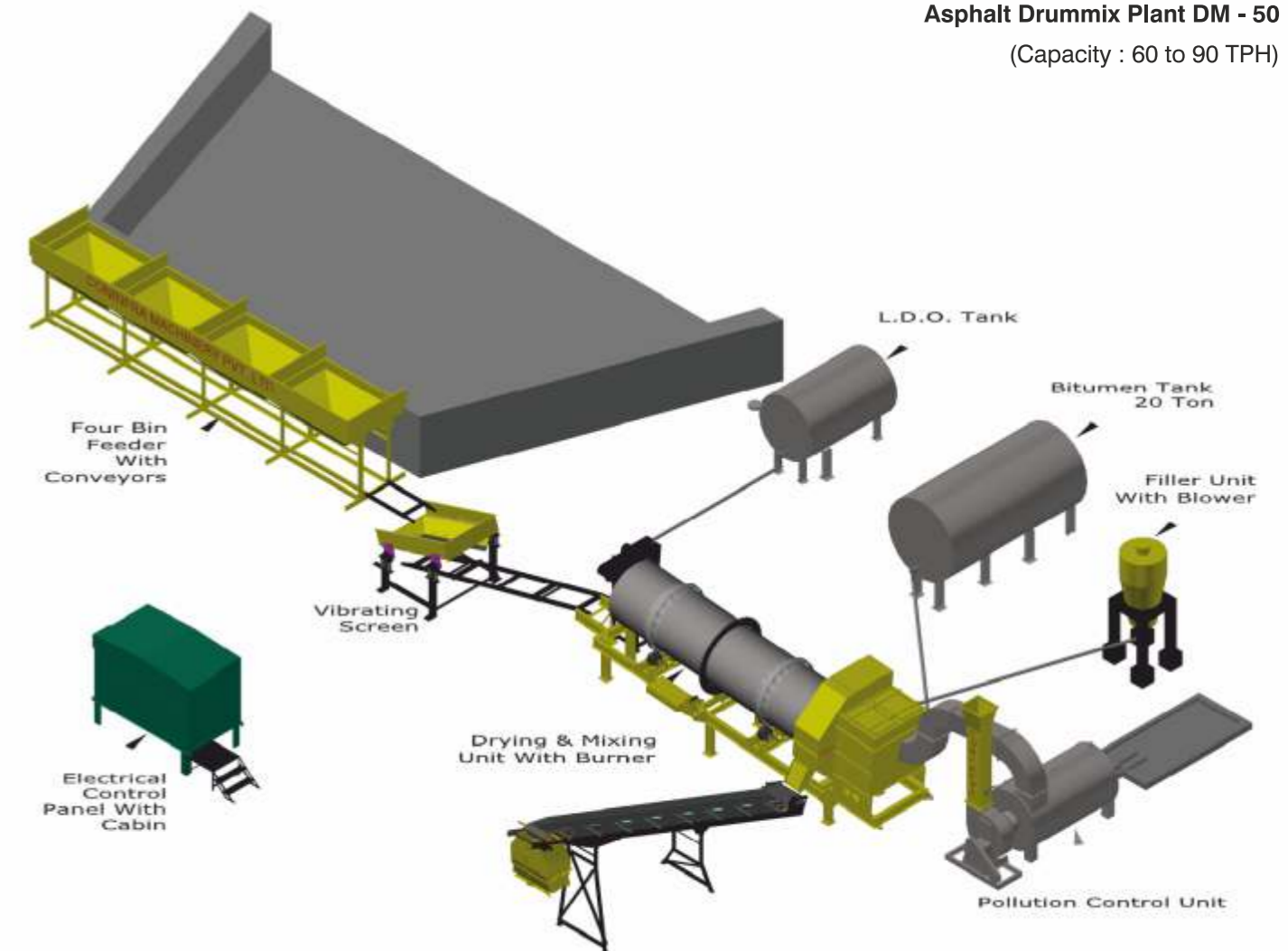
ASPHALT DRUM MIX PLANT

	DM-45 (45-60 TPH)	DM - 50 (60-90 TPH)	DM-60 (90-120 TPH)	DM-65 (120-150 TPH)
FOUR BIN FEEDER				
No. of Bins	4	4	4	4
Storage Capacity	31 MT	48 MT	54 MT	54 MT
Hopper size (L x W)	2500mm x 2200mm	3000mm x 2200mm	3650mm x 2060mm	3650mm x 2060mm
Auxiliary Drive Motor	1.5 KW x 4 Nos.	1.5 KW x 4 Nos.	2.2 KW x 4 Nos.	2.2 KW x 4 Nos.
Auxiliary Conveyor Belt	400 mm x 2.2 Mtr.	500 mm x 2.92 Mtr.	500 mm x 2.92 Mtr.	450 mm x 3.78 Mtr.
Gathering Drive Motor	3.70 KW	3.70 KW	5.50 KW	5.50 KW
Gathering Conveyor Belt	500 mm x 22.5 Mtr.	600 mm x 25.6 Mtr.	600 mm x 25.6 Mtr.	600 mm x 29.6 Mtr.
Bin Vibrator (1 No.)	0.37 KW	0.37 KW	0.37 KW	0.37 KW
Feeding Capacity	100 TPH	150 TPH	200 TPH	200 TPH
Overall Dimension (Approx.)	11.6 mtr x 2.55 mtr x 2.45 mtr	13.5 Mtr. X 2.55 Mtr. X 2.45 Mtr.	16.25 Mtr. X 2.55 Mtr. X 2.75 Mtr.	16.25 Mtr. X 2.55 Mtr. X 3.00 Mtr.
Total Connected Load	8.85 KW	10.45 KW	15.05 KW	15.05 KW
OVER SIZE REMOVAL SCREEN				
Drive Motor	0.37 KW	0.37 KW	0.37 KW	0.37 KW
Wire Mesh	45 mm x 45 mm	45 mm x 45 mm	45 mm x 45 mm	45 mm x 45 mm
Screening Area	900 mm x 1200 mm	900 mm x 1200 mm	900 mm x 1200 mm	900 mm x 1200 mm
SLINGER CONVEYOR				
Conveyor drive Motor	2.20 KW	3.70 KW	3.70 KW	3.70 KW
Conveyor Belt	500 mm x 15 Mtr.	600 mm x 15 Mtr.	600 mm x 15 Mtr.	600 mm x 15 Mtr.
THERMO DRUM UNIT				
Drive Motor	11.00 KW	18.50 KW	30.00 KW	45.00 KW
Burner Connected Power	4.45 KW	6.25 KW	13.2 KW	13.2 KW
Exhauster	11500 CFM	14500 CFM	18000 CFM	21000 CFM
Diameter	1230 mm	1540 mm	1850 mm	1850 mm
Length	6026 mm	6700 mm	7310 mm	8000 mm
Burner Rating	350 LPH	550 LPH	750 LPH	1100 LPH
Exhaust Drive Motor	11.00 KW	18.50 KW	30.00 KW	45.00 KW
MULTICONE PRIMARY DUST COLLECTOR				
No. of Cones	10	15	21	21
Dust Screw Drive Motor	0.75 KW	0.75 KW	1.50 KW	1.50 KW
FUEL TANK				
Capacity	3000 Ltr.	5000 Ltr.	5000 Ltr.	7500 Ltr.
LOADOUT CONVEYOR				
Conveyor Drive Motor	3.70 KW	5.50 KW	5.50 KW	5.50 KW
Conveyor Belt HR-Grade	500 mm x 17.9 Mtr.	600 mm x 17.9 Mtr.	600 mm x 20.3 Mtr.	600 mm x 20.3 Mtr.
Gob Hopper Capacity	550 Kg.	750 Kg.	1500 Kg.	2000 Kg.
Hydraulic Power Pack	1.50 KW	2.20 KW	3.70 KW	3.70 KW
BITUMEN TANK (O shape Or U Shape)				
Capacity & Shapes	15 Tons	20 Tons	20 Tons	25 Tons
Bitumen Drive Motor	3.70 KW	3.70 KW	3.70 KW	3.70 KW
Bitumen pump (Jacketed)	50 mm x 50 mm	50 mm x 50 mm	50 mm x 50 mm	50 mm x 50 mm
Hot Oil Drive Motor	0.75 KW	0.75 KW	0.75 KW	0.75 KW
Hot Oil Pump	19 mm x 19 mm	19 mm x 19 mm	19 mm x 19 mm	19 mm x 19 mm
MINERAL FILLER UNIT				
Drive Motor	0.75 KW	0.75 KW	0.75 KW	1.5 KW
Rotary Valve	4"	4"	4"	6"
Capacity	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³
Blower	2.2 KW	2.2 KW	3.7 KW	5.5 KW
CABIN				
Fully Furnished	12 x 8 feet	12 x 8 feet	12 x 8 feet	12 x 8 feet
TOTAL CONNECTED LOAD				
Recommended Generator Set	100 KVA	125 KVA	182 KVA	250 KVA
Open Land Requirement	35 mtr. X 35 mtr.	40 mtr. X 40 mtr.	45 mtr. X 45 mtr.	50 mtr. X 50 mtr.
F.O. KIT (Optional)				
Outflow Heater	4.5 KW	4.5 KW	4.5 KW	4.5 KW
In-Line Heater	14.5 KW	14.5 KW	14.5 KW	14.5 KW

ASPHALT DRUM MIX PLANT

SECONDARY POLLUTION CONTROL UNIT (OPTIONAL)	
CONINFRA Series Wet Dust Collector	BAG HOUSE TYPE FILTER
Type: Water Scrubber	Type: Reverse Air Flow
Exhauster Power: 29.83 KW	Exhauster Power: 55.93 KW
Water Pump: 3.73 KW	Dust Emission: < 50 mg / Nm ³
Dust Emission: < 150 mg / Nm ³	Overall Dimensions without Chimney:
Overall Dimensions Without Ducts:	6300 mm (H) x 5720 mm (L) x 2100 mm (W)
3500 mm (H) x 1500 mm (L) x 1800 mm (W)	

ACCESSORIES		
Filler Silo	Capacity	4/10/15/25/40 Tons
Bitumen Tanks	Capacity	15/20/25/30/50 Tons
	Heating Type	Direct / Hot Oil Heating Type
Hot Oil Heater	Type	Normal Pressure Horizontal Tubular Boiler
	Capacity	500,000Kcal/Hr.
Hot Mix Storage Silo	Capacity	25/50/25x2/80 Tons



Asphalt Drummix Plant DM - 50
(Capacity : 60 to 90 TPH)

EXHIBITIONS



Algeria 2010



Bauma Africa 2018



Bauma China 2008



Bauma China 2014



Bauma Germany 2010



BC India 2011



BC India 2016



BC India 2018



Bhutan 2015



Big 5 Dubai 2016



Brazil 2010



Chile 2019



Commex Hyderabad 2010



CTT Rusia 2014



Ethiopia 2017



Excon 2011



Excon 2015



Excon 2017



Guwahati 2015



IRC Kolkatta 2008



Jordan 2009



Kazakhstan 2014



Kenya 2009



Kenya 2012



Nepal 2018



Nigeria 2017



Parguary 2010



Peru 2010



Saudi Arabia 2016



Tanzania 2010