

Asphalt Drum Hot Mix Plant

Stationary and Mobile Plants



One Stop INDIA
Solution
for your all Construction
& Infrastructure Equipments

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CONINFRA
MACHINERY PVT. LTD.

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

ABOUT US

CONINFRA MACHINERY PVT. LTO. (CMPL) is Indies premier construction equipment Manufacturer and exporter based in Ahmedabad, Gujarat. Our company's commitment to Quality and capabilities for global competency is reflected in our wide array of road Construction products.

Where innovation and cutting-edge technology converge to deliver world-class Products. Our diverse range of products encompasses asphalt batch mix plants, Concrete batching Plants, bitumen sprayers, wet mix and hot mix plants, road Sweepers, and drum melting units.

But we're more than just a business - we're a family-owned and operated company driven by A strong philosophy passed down through two generations. Our focus is firmly on you, The customer, and your satisfaction. By thoroughly analyzing your needs and tailoring solutions Accordingly we go beyond mere equipment sales.

Standing by our commitment to forging lasting relationships, we prioritize your success Over A quick sale. With state-of-the-art manufacturing units and meticulous attention to detail, We ensure efficiency, impeccable finishing. and premium quality in every product. Rest assured That our qualified team of engineers meticulously tests each component guaranteeing reliable And consistent performance.

Speaking of quality, we proudly hold the iso 900:2015 certification, a testament to Our Unwavering dedication to excellence. From procurement to fabrication and assembly, Every stage is subjected to stringent quality checks, ensuring optimum results. Additionally, We supply parts and components for various road construction products, including asphalt Drum mix plants and wet mix plants. We certify that our products meet national and international Standards, with a growing presence worldwide and across all Indian states.

OUR GOALS



To become a leading global manufacturer in the construction Machinery Sector



Continuous Product development and Innovation



Maintain and develop our Brand Leading Status in the Construction Machinery Market



Focus on the Highest quality



Prioritize our customer and employee Satisfaction



Women Empowerment



In 2006, Mr. Saumil Shah returned to India after completing his MBA in the USA and gaining international exposure. Fueled by a dream to contribute to the Country's growth, he aimed to build a world-class manufacturing facility. With over 14 years of experience in the road construction equipment industry, Ms. Saumil Shah Is one of the leading figures behind the success of Coninfra group.

Under his dynamic leadership, the company has experienced remarkable growth both Domestically and in the export market. By establishing joint ventures and technical Alliances, he has ensured that Coninfra remains at the forefront of the road construction Products supply and export industry in India.

However, Mr. Saumil Shah's vision extends beyond road construction. Recognizing the Need for innovation, he diversified into manufacturing high-quality concrete construction Equipment. His leadership is characterized by a bold and ambitious mindset, always Striving for excellence.

Mr. Saumil Shah's ultimate goal is to revolutionize the construction industry by introducing Top-notch products and expertise. His commitment to delivering comprehensive and Reliable solutions has made him, a respected leader in the field.

OUR VISION

Our Vision is to stand as a premier firm in the infrastructure products sector, elevating our attained reputation nationally and internationally. Our commitment is to secure customer contentment while upholding our identity as a trustworthy, uncomplicated and accomplished 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

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, continues R & D and incorporation of the latest design up gradations, CMPL thermodrum is way ahead of competition.

The CMPL thermodrum 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 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 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.

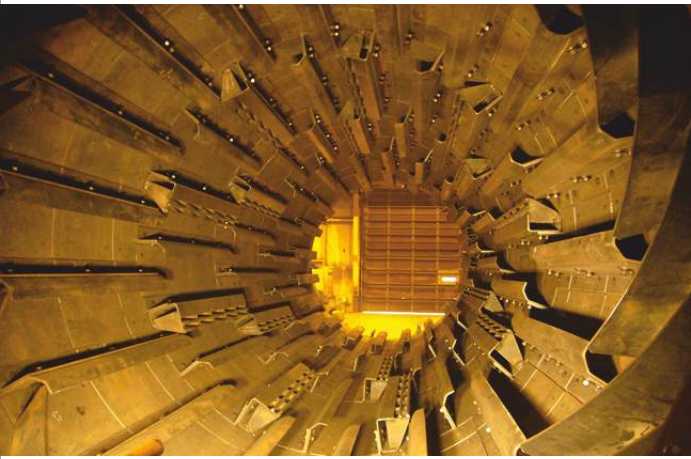


POLLUTION CONTROL DEVICES (OPTIONAL)

CV SERIES – WET DUST COLLECTORS

CV Series is a venture type high efficiency wet dust collector that maintains the required environmental standards in specific area. 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.





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, trunnion rings & trunnion 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.

BAG HOUSE FILTER UNIT

We have developed a state of the free air flow type bag house filter unit especially for asphalt application with specially treated meta aramid filter elements. This zero maintenance design keeps emissions at less than 50 mg / Nm³, which meets 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 swivelling 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.

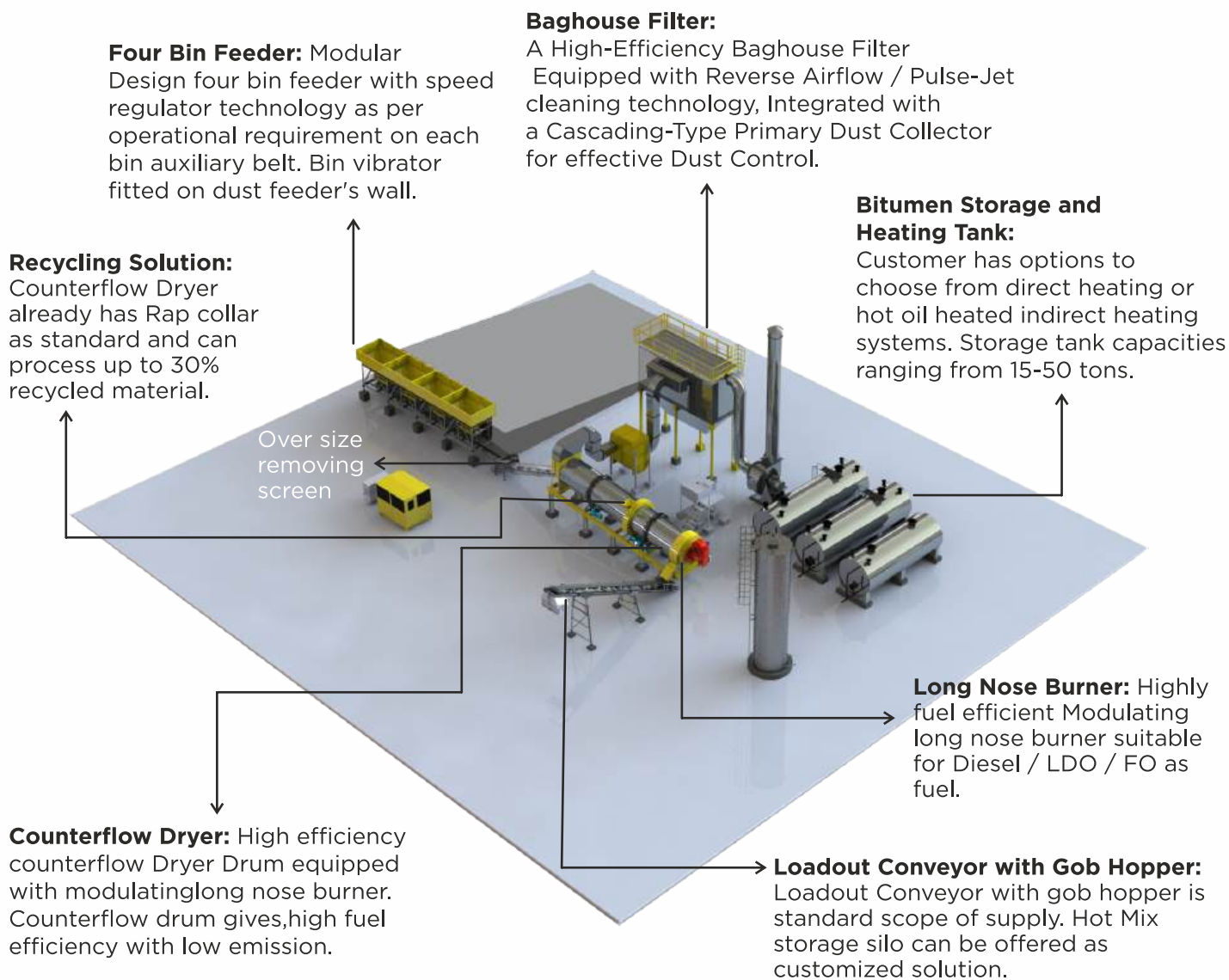


COUNTER FLOW DRUM MIX PLANT

CDMP SERIES

HOT MIX PRODUCTION QUALITY AS GOOD AS BATCH MIX PLANT
CONSIDERABLE FUEL SAVING IS GUARANTEED

MODEL	CDMP 60	CDMP 90	CDMP 120
CAPACITY	40-60 TPH	60-90 TPH	90-120 TPH



SCOPE OF SUPPLY

- Cold Aggregate Feeder Bins (Four Bin Feeder)
- Single Deck Vibratory Screen for Oversized Material Removal
- Slinger Conveyor
- Counter Flow dryer drum with Dust Collector
- Dryer Auto Burner
- Load out Conveyor / Drag Slat Conveyor
- Bitumen Tank
- Mineral Filler Unit
- Centralized Control Panel with Control Cabin
- Fuel Storage Tank
- Pollution Control Unit (Bag Filter / Wet Scrubber)
- Storage Silo (Optional)
- Rap Feeding Arrangement (Optional)

ADVANTAGES

- Low Emission
- High Fuel Efficiency
- Produce High Quality Asphalt Mix
- Low Maintenance
- Easy to install
- Easy to operate
- High Production Rate
- User Friendly

MOBILE DRUM MIX PLANT



MDM-15
15-25 TPH

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

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 control and automatic 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
- Simplified setup process, saving time and crane rental costs.
- No civil Foundation works - Massive Savings



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 / MDM 15

With Pollution control unit
STANDARD CONFIGURATION

- Chassis 1- Cold Aggregate Bin, slinger conveyor, Drying & Mixing Unit with Load Out Conveyor, Gob Hopper, Fuel Tank(LDO) & Mineral Filler Unit
- Chassis 2- Bitumen Tank & Electrical Control Panel with Fully Furnished Cabin



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 m³	1.5 m³	1.5 m³	1.5 m³
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)

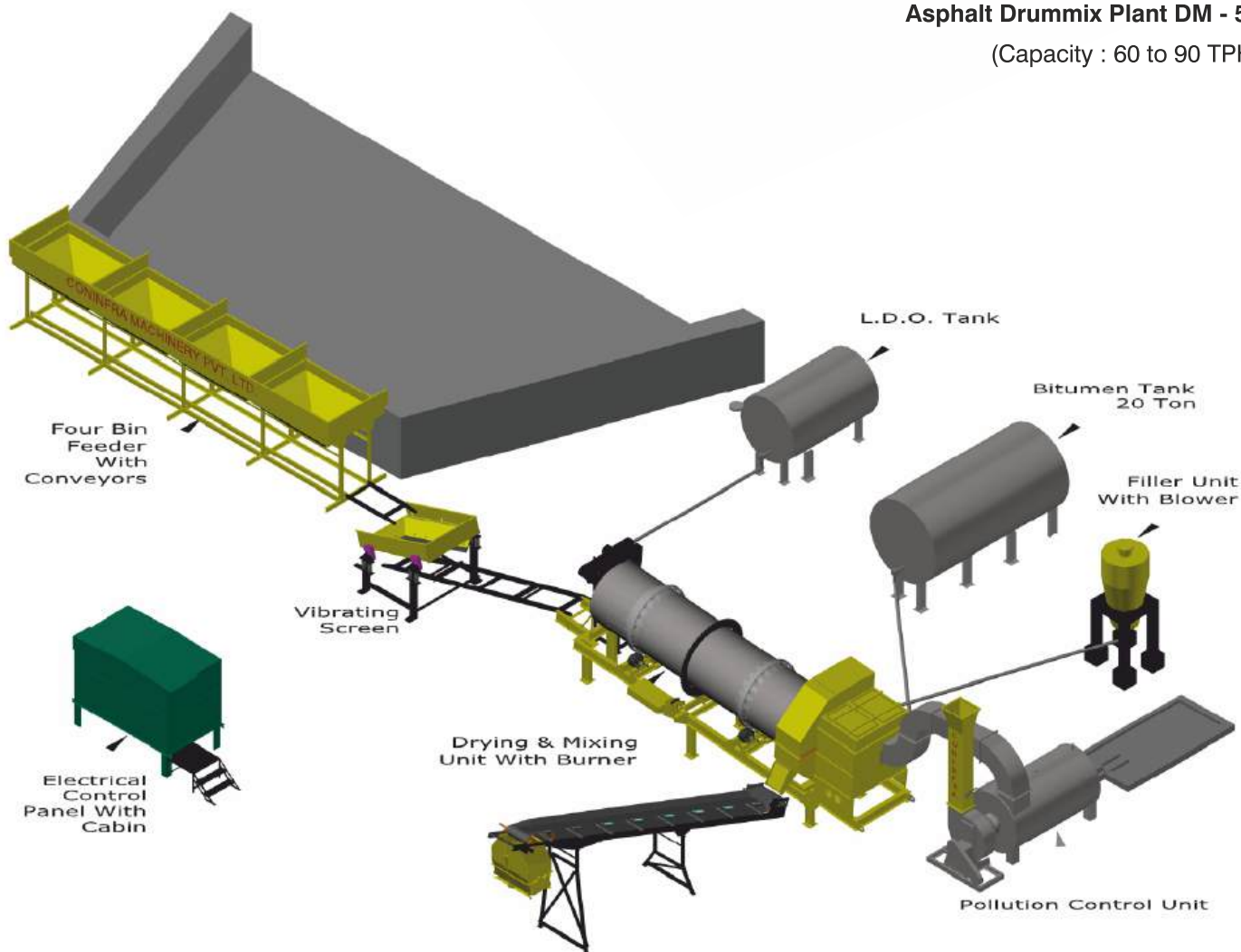
CONINFRA Series Wet Dust Collector	BAG HOUSE TYPE FILTER
Type: Water Scrubber	Type: Reverse Air Flow
Exhauster Power: 29.83 KW	Exhauster Power: 55.93 KW
Water Pump: 3.73 KW	Dust Emission: < 50 mg / Nm ³
Dust Emission: < 150 mg / Nm ³	Overall Dimensions without Chimney:
Overall Dimensions Without Ducts:	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)



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EXHIBITIONS



Bauma Germany 2025



Bauma Germany 2025



BC India 2024



BC India 2024



Excon 2023



Excon 2023



BC India 2023



BC India 2023



Uganda Build Expo 2022



Worldconx Srinagar 2022



Bangladesh Buildcon Expo



Excon 2022



Nepal Buildcon International Expo 2022



Bauma Germany 2022



Bauma Germany 2022

ROAD CONSTRUCTION SIMPLIFIED WITH CMPL'S COMPLETE SOLUTIONS



Asphalt Batch Mix Plant

Capacity:
80 TPH to 400 TPH



Bitumen Pressure Distributor / Sprayer

Capacity:
4000 LTR to 10,000 LTRS



Asphalt Drum Mix Plant

Capacity:
20 TPH to 150 TPH



Concrete Batching Plant

Capacity:
20 m³/hr. to 120 m³/hr.



Wet Mix Macadam Plant / CTSB Plant

Capacity:
100 TPH to 300 TPH



Road Marking Machine



Counter Flow Drum Mix Plant

Capacity:
40 TPH to 120 TPH



Trolley Mounted Bitumen Sprayer

Capacity:
1500 LTR to 4000 LTRS



Bitumen Drum Melting Unit (Decanter)

Capacity:
80 TPH to 400 TPH



Trolley Mounted Air Compressor



Mobile Drum Mix Plant

Capacity:
15 TPH to 150 TPH



Hydraulic Road Sweeper / Broomer

OUR CLIENT NETWORK



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CONINFRA
MACHINERY PVT. LTD.

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