

Where Quality is the prime motto !



Asphalt Drum Mix Plant



QUALITY ENGINEERS

Manufacturers & Exporters of Quality Road Construction Equipments.



AN ISO 9001 - 2008 COMPANY

Where Quality is the prime motto !

Company Profile:

Quality Engineers, an ISO 9001:2008 certified company, is India's leading construction equipment manufacturing company providing road construction equipments. Our wide range of road construction equipments like Asphalt Drum Mix Plant includes Insulated Dryer Mixing Unit, Four Bin Feeder, Asphalt tank, L.D.O tank, Pollution Control Unit, Thermic Unit, Filler Unit, Control Cabin, Electronic Computerized Control Panel and Wet Mix Plant includes Pug Mill Unit, , Four Bin Feeder, Water tank, Electronic Computerized Control Panel. Our other range of products includes Bitumen Sprayer, Bag Filter, Road Cleaning Equipment, Reversible Mixer Plant, Road Kerbing Equipment and the Asphalt Batch Mix plant also available. We provide expertise in road construction equipments by delivering globally recognized technology that gives our customers a peace of mind. Right from the beginning the philosophy of the company is to manufacture world class road construction equipments and thus company has earned very high reputation in the market.

Quality Engineers is the leading manufacturer and exporter of road construction equipments. Technical expertise, state of the art production facilities, responsive after sales service and total commitment to market requirements have made the company a trusted and dependable name in the industry. The growing customer list is a fitting tribute to the hard work and long-term vision of the entrepreneurs who started the company.

Quality Engineers with over 18 years of experience in road construction equipment industry offers wide range of road construction equipments that help in building roads which are safe, durable and economical. Quality Engineers' mission is to retain the leadership through

Quality Policy

Quality Engineers is committed to provide products meeting customer requirements on time to achieve more and more customer satisfaction.

We maintain market reputation in our business through continuous improvement in our product quality and providing our customers timely services through dedicated and trained employees and by conceptual latest technologies. We also commit ourselves to maintain & continuously improve our Quality Management System in line with the International standards.



We manufacture and export high quality of machines using modern techniques and tough & rigorous quality control checks under the supervision of well qualified and experience personnel meeting international standards to produce high definition quality products. "Customer care is our asset, we believe in making relations and not only customers."

Naresh Patel CEO

QUALITY ENGINEERS
AHMEDABAD. Gujarat, INDIA

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Asphalt Drum Mix Plant

MODEL ~ DM ~ 60



Drum Mix Asphalt Plants are offered with capacity ranging from 45 to 120 TPH. These plants are made from heat and abrasion resistant MS plates to give excellent durability by our team of experts who leave no room for any flaw. These plants are available in reliable and proven designs and have advanced technical features.

Salient Features

- Modern drum mix technology
- Easy Operation and less maintenance
- Low dust emissions
- Easy to operate
- Less fuel consumption.
- Accuracy in quality control
- Fully Automatic Computerized Control Panel Board.

Dryer mixing Unit

Drum Mix Asphalt Plant

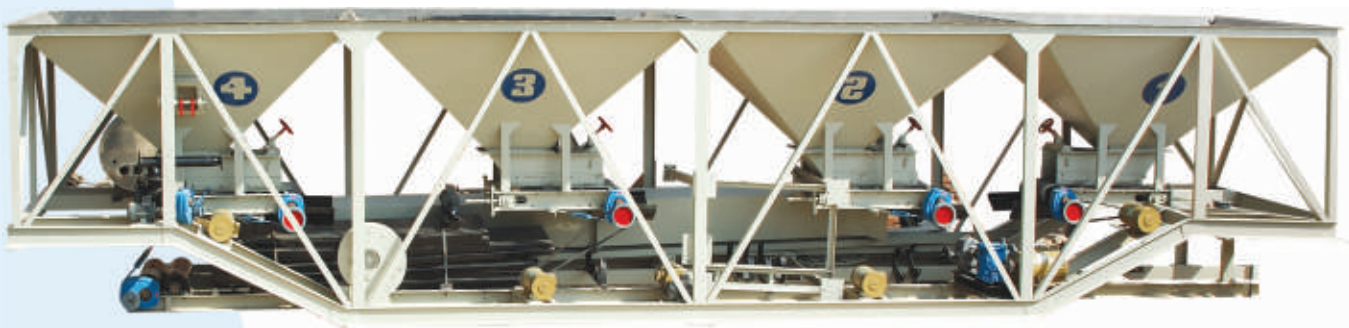
Model No: DM 45, DM 50, DM 60

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Asphalt Drum Mix Plant



Four Bin Feeder



The Four Bin Feeder offered by us having varying storage capacity of 32, 40 and 52 Ton. These are manufactured precisely in line with international standards and of high quality and designed as per clients requirements.

Salient Features

- Trouble free performance
- Increased fuel efficiency
- Minimal operational cost

Storage Capacity: 32, 40, 52 Ton.

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Asphalt Drum Mix Plant



Asphalt tank



L.D.O tank



Control Cabin



- **Asphalt Tank** is fully insulated to minimize heat. The bitumen inside the tank is heated by U-shaped heating tube fitted with automatic burner of adequate capacity. A jacketed bitumen pump driven by variable speed motor through reduction gear box is provided to pump the bitumen to the drum. The bitumen flow rate is controlled by varying the RPM of variable speed motor.
Storage capacity : 15, 20, 25, 30 Ton
- **L.D.O. Tank** is made of the highest quality raw material which is turned to LDO tanks making use of sophisticated and latest technologies. The capacity of the LDO tank varies with the plant where it is planted. We offer LDO tanks with various capacities and sizes and also fabricate these as per the requirements of the clients.
Storage Capacity: 6000 Ltr. 10000 Ltr & 12000 Ltr
- **Control Cabin (Thermo Insulated)** is prepared for the safe installation of control panels. These cabins are designs in such a way that they are dust proof and ensure hassle free and smooth operation of computer panel. The operator sitting inside the cabin can overview the actual operation around the cabin through the display installed in the cabin.

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Asphalt Drum Mix Plant



Drum Mix Plant DM-45

Our range includes asphalt tanks that are available in different capacities ranging from 40 tons to 60 tons. These tanks are skillfully designed and fabricated to prevent clogging of bitumen that comes along with the plant.



Drum Mix Plant DM-50

Available in capacities ranging from 60 to 90 TPH, the Asphalt drum mix plant are provided with drier drum that is made from heat and abrasion resistant MS plates to give excellent durability.



Drum Mix Plant DM-60

We are offering Asphalt Drum Mix Plants with capacity ranging from 90 to 120 TPH. These plants are available in reliable and proven designs and have advanced technical features. Provided with optional attachments like pollution control unit, storage silo for mixed material dust controller etc, these plants are engineered by our team of experts who leave no room for any flaw.

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Thermic Unit



THERMIC UNIT (HOT OIL SYSTEM) : Thermic unit has the three oil heaters (boiler) of capacity 9 KWatt with temperature sensor and auto controller are circulated to maintain precise bitumen temperature. 1hp pump boils oil upto 200° to 300° degrees which in turn maintains required material temperature (Coal-tar) and keeps material easy flow through the pipes without any blockage. The material circulates through Hot oil jacketing type bitumen pump with jacketing & insulation on bitumen pipeline.

Filler Unit



The filler hopper is provided to add Filler / Mineral from a separate hopper, in the mix to the extent pre-selectable in percentage by weight of the maximum plant output. The unit is fabricated from 5 m thick steel plate and mounted on robust steel structure. The system is powered by a variable speed motor coupled with gear box to rotary valve and also synchronized with aggregate & bitumen output. The filler material from this unit is conveyed pneumatically upto mixing zone in the thermodrum.

Storage capacity: 1, 1.5, 2, 2.5 Ton



Pollution Control Unit

Wet Scrubber type pollution control, horizontal and vertical type with 3HP water pump.

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Electronic Computerized Control Panel



The plant is supplied with Electronic Computerized Control Panel. All controls, including the motor control center circuit breakers are provided in the control panel. The control panel comprises of the automatic burner controls, aggregate and asphalt blending controls, motor controls, feeder bin controls and electric switchgear.

Salient Features

- All the parameters like, temperature of bitumen-hot mix material-exhaust gases and aggregate weight, asphalt percentage, hot mix material weight etc. are displayed on the control panel.
- It is equipped with protections like single phasing, overload, fuses, sequence interlock etc.
- Load wise data can be printed on the printer provided in the panel.
- The body of the panel is fabricated from CRC sheet and is duly powder coated.



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Technical Specifications of Asphalt Drum Mix Plant

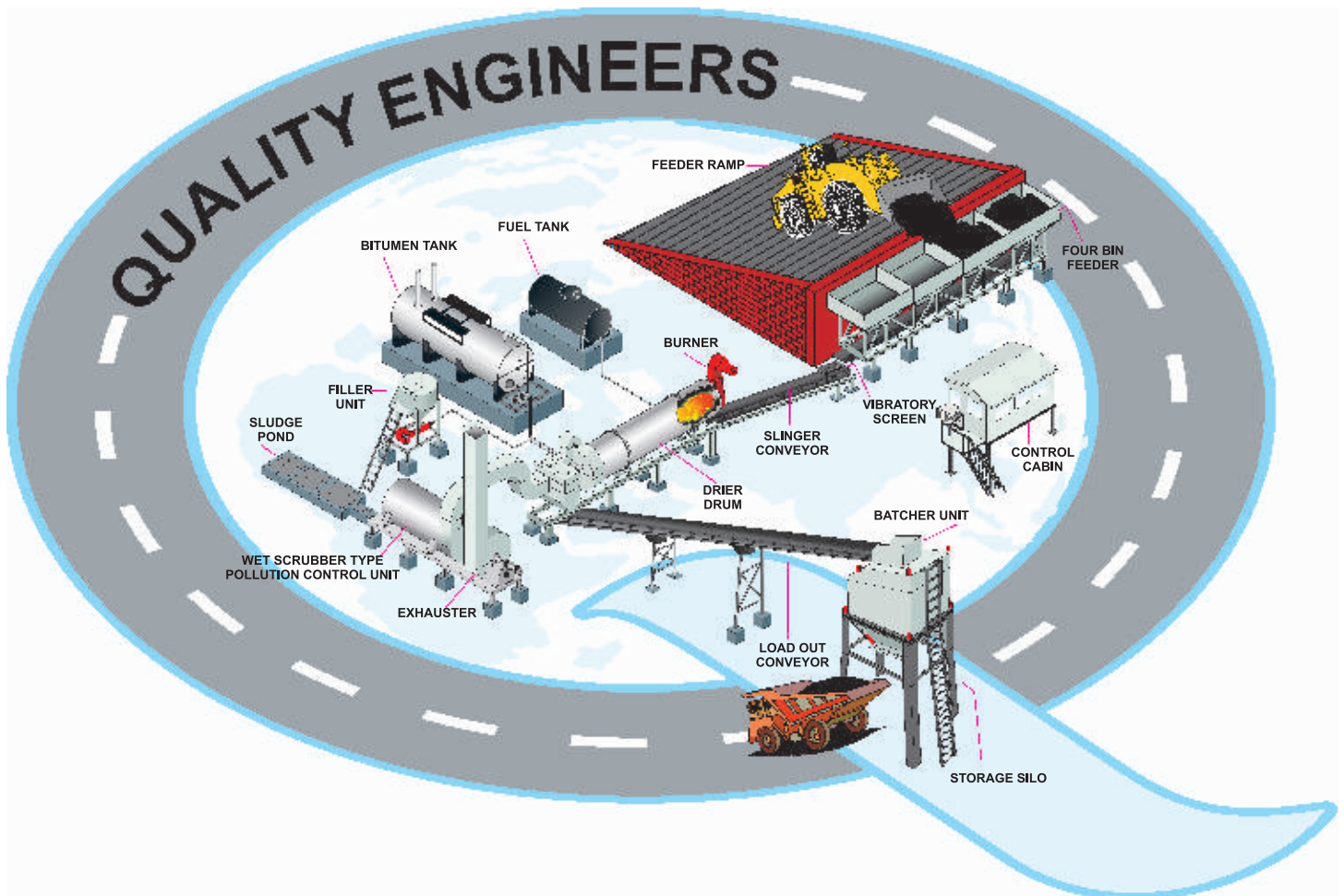
	MODEL		DM- 45 (CAP 40-60 TPH)	DM- 50 (CAP 60-90 TPH)	DM- 60 (CAP 90-120 TPH)
FOUR BIN FEEDER	MAIN CHASSIS 'I' BEAM	MM	125	150	150
	NO. OF BINS		4 NOS.	4 NOS.	4 NOS.
	STORAGE CAPACITY	TON	40	50	60
	HOPPER SIZE (L X W)		2200 X 2000	2400 X 2000	2500 X 2000
	BIN PLATE SIZE	MM	4	5	5
	BIN MOTOR (D.C.) (4 NOS.)	HP	2	2	2
	BIN GEAR BOX S.M.S.R. TYPE		C 20:1	C 20:1	C 20:1
	BIN CONVEYOR BELT M 24 GRADE	MM	1900 X 450 X 3 PLY	1900 X 450 X 3 PLY	1900 X 500 X 3 PLY
	GATHERING MOTOR	HP	5	5	7.5
	GATHERING GEAR BOX S.M.S.R.		D 20:1	D 20:1	D 20:1
SLINGER CONVEYOR	GATHERING CONVEYOR BELT M 24	MM	22400 X 600 X 3 PLY	22400 X 600 X 3 PLY	22700 X 600 X 3 PLY
	BIN VIBRATOR (1 NO.)		1 HP X 1440 RPM	1 HP X 1440 RPM	1 HP X 1440 RPM
	CONVEYOR MOTOR	HP	5	5	5
	CONVEYOR GEAR BOX S.M.S.R.		D 05:1	D 05:1	D 05:1
THERMO DRUM UNIT	CONVEYOR BELT M 24 GRADE	MM	12500 X 500 X 3 PLY	12500 X 500 X 3 PLY	12500 X 500 X 3 PLY
	CONVEYOR CHANAL SIZE	MM	125	125	125
	MAIN CELL DIAMETER	MM	1220	1510	1850
	MAIN CELL PLATE THICKNESS	MM	10	10	10
	MAIN CHASSIS 'I' BEAM	MM	250	300	300
DRYER BURNER	DRUM DRIVE MOTOR	HP	20/25	25/30	30/40
	MAIN DRUM GEAR BOX		7" NU TYPE 20:1	8" NU TYPE 20:1	9" NU TYPE 20:1
	BURNER PUMPING MOTOR	HP	2	2	3
	BURNER BLOWER MOTOR	HP	5	10	15
MULTICLONE PRIMARY DUST COLLECTOR	EXHAUST DRIVE MOTOR	HP	20/25	25/30	30/40
	EXHAUST	CFM	14500	16500	18500
	NO. OF PIPE CONES		17	21	25
	DUST REMOVE DRIVE MOTOR	HP	1	2	2
LOAD OUT CONVEYOR	GEAR BOX S.M.S.R. TYPE		C 20:1	C 20:1	C 20:1
	CONVEYOR MOTOR	HP	5	5 / 7.5	7.5 / 10
	CONVEYOR GEAR BOX S.M.S.R.		D 13:1	D 13:1	E 13:1
	CONVEYOR BELT HR GRADE	MM	15500 X 500 X 3 PLY	15500 X 600 X 3 PLY	15500 X 600 X 3 PLY
	CONVEYOR CHANAL SIZE	MM	125	125	125
BITUMEN TANK	GOB HOPPER CAPACITY	KG	600	800	1200
	HYDRAULIC POWER PACK	HP	2	2	3
	CAPACITY & SHAPE		15 TON 'O' SHAPE	20 TON 'O' OR	25 TON
	TANK MAIN WALL PLATE	MM	5	5	5
	GLASS WOOL THICKNESS	MM	40	40	40
	TANK OUTER WALL PLATE		18 GAUGE	18 GAUGE	18 GAUGE
	BITUMEN DRIVE MOTOR (D.C.)	HP	5	5	7.5
	BITUMEN PUMP GEAR		3" NU TYPE 15:1	3" NU TYPE 10:1	4" NU TYPE 10:1
	BITUMEN JACKETED PUMP	MM	50.8 X 50.8	50.8 X 50.8	75 X 75
	HOT OIL MOTOR	HP	0.5	0.5	0.5
MINERAL FILLER UNIT	HOT OIL PUMP	MM	20 X20	20 X20	20 X20
	CAPACITY & SHAPE		500 KG ROUND TYPE	500 KG ROUND TYPE	800 KG ROUND TYPE
	MAIN BODY	MM	3	3	3
	FILLER MOTOR		2 HP	2 HP	2 HP
	FILLER GEAR BOX S.M.S.R. TYPE		C 20:1	C 20:1	C 20:1
FUEL TANK	ROTARY VALVE SIZE	MM		80	
	AIR BLOWER MOTOR	HP	3		5
	CAPACITY	LTR	4000	4000	10000
VIBRATOR SCREEN	TOTAL CONNECTED POWER	HP	75	105	143
	VIBRATOR MOTOR	HP	1	1	1
SECONDARY POLLUTION CONTROL UNIT (OPTIONAL)	MESH SIZE	MM	45 X45	45 X45	45 X45
	WATER PUMP		WATER PUMP 3 HP	WATER PUMP 3 HP	WATER PUMP 3 HP

Note: Specification/Discription are indicative and subject to change without notice due to modification, alteration or custom engineering.

**Build Quality Roads World-wide with
Quality Equipments...**



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QUALITY ENGINEERS

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