



AADESH[®]
ROADTECH INDIA PVT. LTD.
An ISO 9001- 2015 Certified Company



ROAD CONSTRUCTION MACHINERY
www.aadeshroadtechindia.com

Innovation and Quality Solution for Road & Civil Construction Machineries....

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ABOUT US

Aadesh Roadtech India Pvt. Ltd. is established since 2008, *Mehsana* based well known *Manufacturer & Supplier of Road & Civil Construction Machineries & Equipment* Company with a vision to surpass all the expectations of projects taken in hand. Mr. Janak Patel is the founder member and the owner of this company. He boasts 15 long years of rich experience in the genre of Manufacturing & Supply of Road & Civil Construction Machineries & Equipment.

We are specialist in Manufacturing & Supplier of wide range of Road & Civil Construction Machineries & Equipment. We have proven a high-end track record of excellence and Quality construction in Machineries. Over the years, we have emerged as one of the fast growing and prestigious Manufacturer in *Mehsana* and all over Gujarat State.

Our Machinery Range of Products are Drum Mix Plant, Wet Mix Plant, Bitumen Sprayer, Hydraulic Road Broomer, Asphalt Mechanical Paver Finisher, Bitumen Tank, Concrete Batching Plant, Roan & Canal Paver Finisher, Storage Silo, Concrete Mixtures, Concrete Screed Paver Finisher etc.

Our vision and Mission is to put our 100% and best efforts in every small or huge project irrespective of its budget. We are committed to each piece of our work with utmost honesty, expertise and determination. Quality and client's satisfaction are our top priorities. We have enhanced our expertise and knowledge with every project and passing phase of construction world.



ASPHALT DRUM MIX PLANT

Cold Feed Hoppers: Three / Four Aggregate Bins, Individual variable drives under each bin with precision gates, No Flow Indicator Device, One Bin Vibrator Motor, Highly Accurate Conveying System.

Slinger Conveyor: Transfer the aggregates to the Drying and Mixing Unit,

Continuous Electronic Weighing System: The state-of-the-Art software System Processes and meters the mix proportioning. The feedback from the load cell is processed by PLC, which further automatically controls and processes the bitumen and filler proportioning.

Drying and Mixing Unit: Aggregates are heated and mixed with asphalt binder and filler contents in the Drying & Mixing Unit. The Inherent Primary Multi-Cyclone Dust Collection unit is capable to collect dust from the drum unit. The unit includes pressure Jet oil burner with blower.

Load out Conveyor with G.O.B. Hopper: The mix materials is discharged by the plant into the load out conveyor equipped with Hydraulically Operated clamshell gate to allow truck charging without spillage.

Bitumen Storage Tank : Skid mounted high capacity hot oil jacketed gear type pump, controlled by an AC / DC variable speed drive feeds the amount of the Thermo drum unit. The fully automatic SCADA / PLC control ensure a precise metering of bitumen.

Filler Storage Unit: 1.5 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 ensure the right proportioning in the mix.

STANDARD FEATURES :

- Modern Drum mix Technology
- Produces High Quality Homogeneous Mixing
- Stationery or Mobile
- High Production Rate
- Quality Accurate Aggregate Feeders
- Low Dust Emission
- Plant Mounted Discharge Conveyor with Surge Hopper
- Automatic Computerized Control Panel



ASPHALT DRUM MIX PLANT





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WET MIX PLANT (WMM)



TECHNICAL SPECIFICATION:

PLANT MODEL	UOM	WMM-100	WMM-160	WMM-200	WMM-250
Rated Output	tph	100	160	200	250
Four Bin Feeder					
No. of Bins */ Total Capacity	nos / m ³	4 / 22	4 / 22	4 / 25	4 / 32
Charging Width	mts	2.75	2.75	3.00	3.60
Auxiliary Drive Motor	kw	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.2
Gathering Conveyor Belt (WXL)	mm	600 x 25600	600 x 23500	600 x 29600	600 x 36880
Gathering Drive Motor	kw	3.7	3.7	3.7	5.5
Bin Vibartor (1 no.)	kw	0.37	0.37	0.37	0.37
Feeding Capacity	tph	120	180	225	260
Over Size Removal Screen					
Mesh Size	mm	65 x 65	65 x 65	65 x 65	65 x 65
Drive Motor	kw	0.75	0.75	0.75	0.75
Charging Conveyor					
Conveyor Belt (WXL)	mm	600 x 14400	600 x 14400	600 x 15025	600 x 15025
Conveyor Drive motor	kw	3.7	3.7	3.7	5.5
Pug Mill					
No of Paddle Arms		26	32	44	64
Drive Motor	kw	18.5	30.0	37.0	45.0
Capacity	m ³	1.62	1.90	2.40	3.00
Water Tank(Optional)					
Capacity	m ³	10	15	18	18
Drive Motor	kw	1.5	3.7	3.7	5.5
Load out conveyor with Gob Hopper					
Belt (WXL)	mm	600 x 17900	600 x 17900	600 x 20300	-
Drive Motor	kw	3.7	3.7	5.5	-
Gob Hopper Capacity	mt	1	1	1.5	-
Hydraulic Power Pack	kw	1.5	1.5	2.2	-
Load out conveyor with Storage Silo (Optional with WMM-100,160,200,250)					
Belt (WXL)	mm	600 x 41100	800 x 41100	800 x 41100	800 x 41100
Drive Motor	kw	7.5	11.0	11.0	11.0
Storage Silo Capacity*	mt	25	25	25	25
Hydraulic Power Pack	kw	3.7	3.7	3.7	3.7
Total connected Load	kw	45.6	73.3	80.8	88.3
Recommended Genset Capacity	kva	62.0	82.5	100.0	125.0
Open Land Requirment	mts	50 x 35	55 x 35	55 x 35	55 x 35
Filler Silo (Optional)					
Capacit	m ³	-	28.5	28.5	25.5



MOBILE ASPHALT DRUM MIX PLANT





ASPHALT CUM WET MIX PAVER FINISHER

TECHNICAL SPECIFICATION

Description	ASPHALT PAVER FINISHER	WET MIX MACADAM PAVER FINISHER
Operating Width x Height	3230 x 2930 mm	3230 x 2930 mm
Shipping Dimension (L X W X H)	5680 x 2690 x 2540 mm	5680 x 2690 x 2540 mm
Weight (Approx)	8 Tons	9 Tons
Tread Width	1900 mm	1900 mm
Truck Dumping Clearance	600 mm	600 mm
Wheel Base	2500 mm	2500 mm
Engine Rating	Kirlosker Make 76 BHP at 2200 RPM (Model : 4R 1040 T)	Kirlosker Make 76 BHP at 2200 RPM (Model : 4R 1040 T)
Battery	12 Volts - 21 Plates (Heavy Duty)	12 Volts - 21 Plates (Heavy Duty)
Types - Front 2 Nos.	Solid Rubber 558 x 405 x180 mm	Solid Rubber 554 x 405 x 300 mm
Types - Rear 2 Nos.	Pneumatic 10.00 x 20 16 Ply	Pneumatic 11.00 x 20 x 16 Ply
Paving Thickness	10 - 200 mm	10 - 200 mm
Paving Speed	1.25 / 23 Meters / Minute	1.25 / 23 Meters / Minute
Paving Width	2.5 to 4 Meters Mechanical or Hydraulic Extensions	2.5 to 4 Meters Mechanical or Hydraulic Extensions
Travel Speed	0 - 16 KM / H	0 - 16 KM / H
Hopper Capacity	4 Cubic Meters	4 Cubic Meters
Screed Extensions 2 Nos. Each	Mechanical 75 mm, 150 mm, 225 mm, 300 mm, Telescopic Hydraulic - 750 mm	Mechanical 75 mm, 150 mm, 225 mm, 300 mm, Telescopic Hydraulic - 750 mm
Screed Heating	Oil Burner	-
Fuel Tank	100 Liters	100 Liters
Hydraulic Oil Tank	130 Liters	130 Liters
Auger Diameter	300 mm	300 mm
Standard Accessories	Tool Box	Tool Box
Conveyor Chain	46 Flats	92 Flats fitted with H.R. Conveyor Rubber Belt
Main Gear Box	Gear Material EN Type	Gear Material EN Type
Conveyor Clutch	Suitable for Asphalt Material Conveying	Suitable for WMM - Dry Concrete Material Conveying



BITUMEN EMULSION SPRAYER





BITUMEN EMULSION SPRAYER WITH COMPRESSOR

TECHNICAL SPECIFICATION

TANK DETAILS :

Model	SKE - 2500	SKE - 3000
Capacity	2500 Ltrs.	3000 Ltrs.
Length - L	2000 mm	2400 mm
Width - W	1500 mm	1500 mm
Height - H	1380 mm	1400 mm
Bitumen input hole	750 mm	750 mm
Insulation	40 mm Glass Wool	40 mm Glass Wool
Shape	U-Trapezoidal	U-Trapezoidal

OPTIONAL

High Capacity Air Blower with 10 Mtr. Length Air pipe for Dust Removal. (Optional)
Extra arrangement for Gas burner.
Wood fire boiler.
Rear wheel spring plates.
Different Storage Capacity Models available from 1.5 tons to 3 tons

Spraying Arrangement	Hand Spary Nozzle with 2 nos. Wooden Handled gun pipe. S.S. Corrugated Spray pipe for hot bitumen. OR R - 2 Rubber Hose pipe for Emulsion.
Bitumen Pump	1.5" x 1.5" / 2" x 2" Size Pressure Pump specially design for hot bitumen and emulsion bitumen.
Reduction Gear	3 NU Worm type driven by pully - V Belt system by engine.
Air Blower	Twin Lobe Blower/2 HP - 2800 RPM. Air blower driven by pulley - v Belt system by engine for burner combusting.
Burner	Bozzer Burner/L.A.P Type,Fuel Tank : 50 ltr.
Wood Bhatti	6 mm thick for wooden fire furnace middle at tank with chimney and ash removal.
Axle Types(Four Tyre)	Rear - 1 No. 7 x 50 x 16 Front - 1 No. 7 x 50 x 16 (Tyre - 4 Nos.)
Axle Types(Two Tyre)	Rear - 1 No. Rear - 9 x 16 (Tyre - 2 Nos.)
Temperature gauge	0 - 300 °c
Drum Lifting	Drum Loading by 1 ton. Cap Chain pulley block - movable to tank bitumen input hole.
Engine	Kirlosker make or ISI make 6 HP / 6.5 HP / 7.5 HP/8 HP/10 HP AT 1500 rpm.
Cleaning	Unique pressure cleaning system after used of spraying by L.D.O / Kerosine / Diesel.



BITUMEN PRESSURE DISTRIBUTOR

TECHNICAL SPECIFICATION

TANK DETAILS :

Model	SKE - 4000	SKE - 600	SKE - 8000	SKE - 10,000
Capacity	4000 Ltrs.	6000 Ltrs.	8000 Ltrs.	10000 Ltrs.
Length - L	2200 mm	2500 mm	3000 mm	4400 mm
Width - W	1900 mm	1900 mm	1900 mm	1900 mm
Height - H	1700 mm	1700 mm	1700 mm	1700 mm
Mainhole	600 mm	600 mm	600 mm - 2 nos.	600 mm - 2 nos.
Insulation	50 mm Glass Wood	50 mm Glass Wood	50 mm Glass Wood	50 mm Glass Wood
Recommended Chassis : Wheel Base-WB	148"	166" / 176"	176"	198"
Clear Chassis Length - CL	5000 mm	5300 mm	5600 mm	7000 mm

Spray Bar	Length : 2.40 Mtr.	Burner	Bitumen Tank - Compressed Air Operated L.A.P. / Bozzer Spray Bar Heating - Hand Touch type	
	Length with Extension: 4.20 Mtr. (Optional 4.50 Mtr.)		Engine Fuel Tank	50 Ltr. Capacity
	Control of Spray Bar: Fully circulating of preheating Bitumen		Burner Fuel Tank	100 Ltr. Capacity
	Bitumen Spraying Pressure: 0 - 4 Kg / cm		Engine	Kirlosker make HA - 294, 25 HP, 1500 Rpm. Air cooled diesel engine.
Bitumen Pump	2" x 2" Size positive displacement gear pump with output of 400 Ltr / Mn. Capacity.			
Air Compressor	Standard make 2 Cyl., 3 HP, 360 LPM Capacity with Working Pressure of 9 kg. / cm			



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MECHANICAL HYDRAULIC BROOM

TECHNICAL SPECIFICATION

Mode of Operation	Hydraulic Broom Operated by Tractor Hydraulic System.
	Mechanical Broom Operated by Broomer Tyre Shaft Mounted Bevel Gear Mechanisms.
Sweeping Width	2.00 Meter Clean Sweeping in Mech. Broom & 2.25 Meter Clean Sweeping in Hydraulic Broom.
Dust Collection	Left hand Side
Sweeping Adjustments	Adjustable on both sides as per the Slope of Road.
Wheels for Drive	Two Heavy Duty Wheels.
Material of Brush	Nylon Bristles / Iron Bristles (Optional)
Suitable to use for	Metaling Surface (WBM)
	Wet Mix Macadam Surface
	Asphalt Road Surface
Swiping Speed	7 to 15 Km/ hr
Running Speed	25 km / hr
Diameter of Brush	450 mm





HYDRAULIC ROAD SWEEPER WITH BUCKET

TECHNICAL SPECIFICATION

DESCRIPTION	HYDRAULIC BROOMER / SWEEPER	HYDRAULIC BROOMER WITH DUST COLLECTING BUCKET
Mode of Operation	Hydraulic drives taken tractor drive shaft (Mahindra / Ford)	
Cleaning Width	2.25 mtrs.	2.00 mtrs.
Removal of Dust	Left end side edge of road	Left end side edge of road
Brush Height Adjustment	Mechanical screw	Mechanical screw
Material of Brush	Poly Propylene	Poly Propylene
Brush Size	18" Dia.	18" Dia.
Hydraulic System	Standard Make	Standard Make
Wheel / Tires	600 x 12 Standard Make	Small Nylon Wheels
Application Suitable for	Wet mix Macadam Surface, Asphalt Road Surface	
Towing Arrangement	Mahindra / Ford or Any Standard Indian Make	
Overall Dimension	3.5 L x 2.2 W x 1.6 H (Mtr)	3.5 L x 2.2 W x 1.6 H (Mtr)



STANDARD FEATURES:

- Ideal for WMP & Road Surface.
- Mechanical / Hydraulic Drive Options.
- Mechanical / Hydraulic Broomer.
- Dust Collector Hydraulic Broomer.
- 2.4 Meter working width.
- Tractor towed.
- Robust Design.
- Easy to use.
- Consistent performance.
- Extraordinary Strength.
- Break Free Operation.

WHY CHOOSE US:

- ✓ ISO 9001:2015 certified.
- ✓ The expertise with 15+ years of experience.
- ✓ Offer excellent quality products.
- ✓ All our equipment are tested & reliable.
- ✓ Our construction equipment are affordable.
- ✓ Adhere to both, International and National Standards.
- ✓ Believe in providing the best solutions.
- ✓ Organizational efficiency
- ✓ Good management practices
- ✓ A comprehensive approach to the construction process
- ✓ Ability to meet customer's requirements
- ✓ Supreme product quality
- ✓ Minimized consumer risk in all aspects



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