



PRIMAX EQUIPMENT

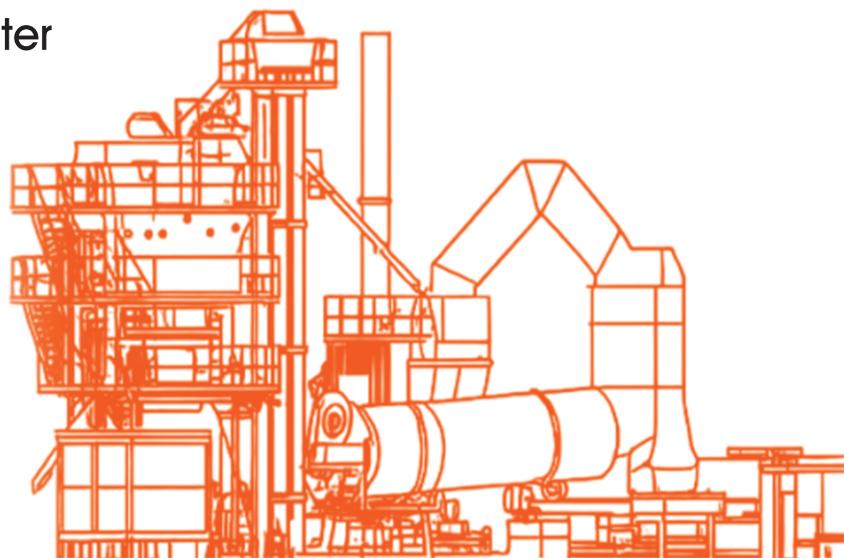
ROAD MACHINERY

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Leading Manufacturer & Exporter
of Construction Equipment

SINCE 1978

ISO 9001 : 2015





SDHM-10

PRIMAX Combined Drying & Mixing Unit (Without Loading Hopper)

PARAMETER	SPECIFICATION
Function	Combined drying and mixing of asphalt
Capacity	7–10 TPH
Power Source	Air-cooled diesel engine
Drive System	Chain transmission
Burner System	Special type oil firing equipment
Chassis	Heavy-duty fabricated M.S. chassis
Mobility	Mounted on 4 nos. pneumatic tyre wheels
Storage System	Conventional storage bucket with lever arm for continuous drying and mixing
Design Compliance	Conforming to IS specifications
Mobility / Mounting	Designed for high mobility; self-contained unit



DDHM-10

PRIMAX Mobile Hot Mix Plant (Double Drum)

PARAMETER	SPECIFICATION
Function	Separate drying and mixing of asphalt materials
Capacity	7–10 TPH
Mounting / Mobility	Mounted on heavy-duty chassis with jacks and 4 nos. pneumatic tyres for easy movement
Main Components	Loading skip, air blower, dust collector, and special type oil burner
Power Source	Adequate rated diesel engine
Drive System	Centrifugal clutch and chain transmission
Drying System	Fabricated special type drying drum
Mixing System	Separate heavy-duty mixing drum with mixing blades for quick material blending
Discharge System	Ducting discharge box and chute
Additional Features	Toolbox provided with the unit



PMHMJ-10

PRIMAX Mobile Hot Mix Plant (Pugmill System)

PARAMETER	SPECIFICATION
Function	Continuous drying and mixing of asphalt using twin-shaft pugmill
Capacity	7–10 TPH & 10–16 TPH
Mounting / Mobility	Mounted on heavy-duty chassis with pneumatic tyres and turnable drawbar for towing
Feed & Exhaust Systems	Foldable feed elevator and chimney
Dust Collection	Efficient dust collector provided
Burner System	Special type oil burner
Dryer Drum	Large diameter storage ring at discharge end for holding hot aggregates
Drum Support	Drum runs on 4 nos. C.I. rollers with bearings
Mixing Unit	Twin-shaft Pugmill with heavy-duty paddle arms and tips
Drive System	Dryer driven through reduction gear and chain drives
Power Source	Adequate rated diesel engine



CAGC-1

PRIMAX Concrete / Asphalt Groove Cutting Machine

PARAMETER	SPECIFICATION
Application	Cutting grooves in concrete or asphalt surfaces
Blade Options	Various sizes available to suit different requirements
Cutting Depth	Adjustable as per project requirement
Water System	Fitted with water tank
Power Source	Diesel engine or electric motor
Operation	Efficient and precise groove cutting for road and pavement works



BSTM-1

PRIMAX Truck Mounted Bitumen Pressure Distributor

PARAMETER	SPECIFICATION
Application	Tack coat and bitumen spraying on road surfaces
Mounting	Truck-mounted for mobility and ease of operation
Function	Applies uniform, unbroken coating of hot bitumen in prescribed quantities; suitable for bitumen emulsion as well
Tank Capacity	6000 Litres
Tank Shape	Rectangular–Oval
Bitumen Pump Type	Positive displacement gear pump (2" x 2")
Pump Output	Up to 350 Litres per minute (max)
Spraying Pressure	0–6 Kg/cm ²
Driving Unit	Air-cooled engine
Spraying Speed	Slow speed – 0.5 m/min
System Cleaning	Automatic cleaning after use to prevent clogging



PRIMAX Oil Fired Tar (Bitumen) Boiler

TB-1200

PARAMETER	SPECIFICATION
Capacity	Options 1200 Ltrs, 1500 Ltrs, 2000 Ltrs & 3000 Ltrs
Application	Heating and maintaining bitumen/tar temperature for road construction works
Construction	Pan made from M.S. plate
Insulation	Space between pans packed with glass wool and covered with MS Sheets for heat retention
Mounting / Mobility	Mounted on fabricated chassis with tyre wheels
Burner System	Oil-fired system with oil tank, inlet & outlet valves, and oil burner
Air System	Fitted with blowers for efficient combustion
Power Source	Adequate rated air-cooled diesel engine
Operation	Uniform heating with efficient insulation and easy mobility



PRIMAX Hot Bitumen Boiler-cum-Sprayer (Pressure Distributor)

BS-1200

PARAMETER	SPECIFICATION
Capacity	1000 Ltrs, 2500 Ltrs
Application	Heating and spraying of hot bitumen/tar for road construction works
Construction	Pan made from M.S. plate
Insulation	Space between inner and outer pans packed with glass wool, covered with M.S. sheet
Mounting / Mobility	Mounted on fabricated chassis with tyre wheels
Burner System	Oil-fired system with oil tank, inlet & outlet valves, oil burner, and blowers
Pumping System	Gear pump with special type spray bar and handle for uniform spraying
Power Source	Adequate rated air-cooled diesel engine
Operation	Combines efficient heating and controlled bitumen spraying in one mobile unit



PRIMAX Cationic Sprayer

CS-1000

PARAMETER	SPECIFICATION
Capacity	1000 Ltrs, 1200 Ltrs, 1500 Ltrs, 2500 Ltrs
Application	Spraying of cationic bitumen emulsion for road surface treatment
Pumping System	Gear pump with complete spraying arrangement
Power Source	Adequate rated air-cooled diesel engine
Chassis / Mounting	Mounted on steel chassis with 4 pneumatic tyre wheels
Mobility	Equipped with drawbar arrangement for easy towing
Operation	Compact, mobile spraying unit designed for uniform surface coating



PRIMAX Wood Fired Tar Boiler

TBW-1200

PARAMETER	SPECIFICATION
Type	Coal / Wood Fired Tar Boiler
Capacity	1200 Litres (approx. 300 gallons)
Application	Heating bitumen/tar using coal or wood as fuel source
Construction	Firing and outer pans made from 5 mm M.S. plate; body of electric welded construction
Reinforcement	Top reinforced with strong angle for resting barrel arrangement
Mounting / Mobility	Mounted on 4 Nos. C.I. wheels with drawbar arrangement
Firing System	Complete with fire arch, fire bars, and chimney
Valves / Controls	Provided with outlet valve
Finish	Painted with two coats of black paint for durability
Operation	Rugged, manually fired heating unit suitable for on-site road applications



Mastic Asphalt Cooker

MAC-10

PARAMETER	SPECIFICATION
Capacity	1200 kg
Application	Speedy construction and repair of blacktop roads
Construction	Pan and side bucket made from heavy-duty M.S. plate
Mounting / Mobility	Mounted on fabricated chassis with 4 Nos. C.I. wheels
Mixing Unit	Heavy-duty M.S. shaft with arms, operated by electric motor
Gear / Drive	Gearbox provided for efficient operation
Burner System	Blower with motor and special type burner supplied
Fuel System	Dedicated fuel tank for heating
Operational	Advantages Reduces direct labour cost, saves bitumen and fuel, minimizes heat loss, economical and easy to operate



RC-1

PRIMAX Road Cleaning Machine

PARAMETER	SPECIFICATION
Application	Cleaning of road surfaces using high air blower
Power Source	3.4 HP Petrol Engine, 3000 rpm
Blower Construction	M.S. fabricated body with dynamic impeller (rotor)
Blower Capacity	4800 CFM
Effective Cleaning Area	3–6 ft per pass
Operating Pressure	Pressure Approx. 5 psi
Mounting / Mobility	Mounted on 2 Nos. pneumatic and 1 No solid tyre wheels for easy movement
Operation	Efficient removal of dust and debris from road surfaces



RC-2

PRIMAX Air Compressor Road Cleaning Machine (Tractor Driven)

PARAMETER	SPECIFICATION
Power Source / Drive	Tractor Driven
Mounting / Mobility	Mounted on 2 pneumatic tyre wheels
Application	Road cleaning using compressed air
Air Delivery System	Spiral shaft of 1.5 m beaded pipe with pressure release valve (20 mm ball valve) and alignment pipe jack
Air Tank Capacity	400 Litres
Discharge Pressure	7 kg/cm ²
Maximum Flow Rate	180–200 CFM
Accessories	Complete with all necessary operational accessories
Operation	Efficient cleaning of roads using tractor power and compressed air



RMM-1

PRIMAX Road Marking Machine

PARAMETER	SPECIFICATION
Application	Laying thermoplastic road markings with precision using glass bead system
Type	Hand Push / Self-Propelled
Tank Capacity	100 Kg (Steel Tank)
Heating System	LPG heating system with hand torch for safe lighting of burners
Temperature Control	Dual type temperature gauge for accurate monitoring
Guidance System	Pointer guide adjustable according to laying shoe size
Marking Components	Screed shoe for uniform thickness
Glass Bead System	Dispenser and storage box included
Mobility / Safety	Auto-lockable rear wheel for stability during operation



HB20

PRIMAX Road Sweeping / Cleaning Machine (Broomer)

PARAMETER	SPECIFICATION
Model / Type	Road Sweeping / Cleaning Machine (Broomer)
Application	Cleaning WMM/WBM layers prior to bituminous coat; suitable for rough road work
Brush System	Cleaning brush driven by powerful hydraulic motor; PP convoluted brush rings for effective sweeping
Dust Collection	Waste collected into container during operation; optional use of dust hopper
Power Source / Drive	Tractor-driven via quick release hydraulic hose attachment; compatible with tractors, loaders, or forklifts
Mounting / Mobility	Compact design for easy attachment and maneuverability
Operation	Efficient road cleaning with or without dust hopper; versatile for multiple vehicle attachments



PCS-1

PRIMAX Chip Spreader

PARAMETER	SPECIFICATION
Application	Uniform spreading of chips/aggregates during surface dressing works
Key Features	Full metering control and variable spreading width
Maximum Spread Width	2.5 metres
Compatibility	Suitable for fitting to all standard tipping bodies
Feed Gate	Adjustable gate with hand operated adjusting screw
Feed Roller	Serrated surface roller mounted between self-aligning, permanently lubricated bearings
Drive System	Pneumatic-tyred wheel transmits drive from road surface to dog clutch on lay shaft; chain drive to feed roller
Operation	Efficient, controlled aggregate spreading with adjustable metering and durable construction



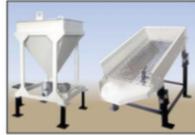
Control Panel



Dryer Burner



Flight Design inside Dryer Drum



Mineral Filler



Asphalt (Bitumen) Tank



Pollution Control Unit



PRIMAX Drum Mix Plant

Capacity : 20–120 TPH

PRIMAX has designed a high-quality plant using the latest sophisticated technology, fully compliant with M.O.S.T. specifications. High-precision engineering combined with strict quality processes ensures superior performance and reliability. The PRIMAX Drum Mix Plant is specially designed for high-quality, homogeneous mixing and maximum productivity with low maintenance cost. It offers centrally controlled operation from the control cabin, ensuring complete automation and consistent production. Optional attachments such as a Silo Wet Dust Collector help maintain active pollution control.

Key Components :

- Four-Bin Feeder • Single Vibratory Screen • Asphalt (Bitumen) Tank • Mineral Filler Unit • LDO Tank •
- Fully Automatic AC Drive Control Panel • Electro-Mechanical Storage Hopper • Automatic Electronic High-Pressure Burner •



PRIMAX Wet Mix Macadam Plant

Capacity : 80–200 TPH

The PRIMAX Wet Mix Macadam Plant is engineered for high-quality, homogeneous wet mix production. It features robust construction, fully automatic control, and efficient material handling, ensuring consistent performance, low maintenance, and ease of operation.

- **Pug Mill Mixer Unit** : Paddle arms and tips, heavy-duty gearbox, and electric motor
- **Four-Bin Feeder** : Each bin equipped with separate A.C. drive motor and gearbox, along with gathering and auxiliary conveyor
- **Loadout Slinger Conveyor** : Hydraulic power pack and storage hopper with 700 kg capacity
- **Water System** : 2 H.P. monoblock water pump set
- **Control System** : Fully automatic A.C. drive panel board
- Accurate mixing of weighed aggregates, sand, cement, and water
- Fully computerized control system with print-out and individual weighing options
- Customizable configurations available with various optional accessories



PRIMAX Asphalt Batch Mix Plant. [Capacity 80 TPH, 100 TPH, 120 TPH, 160 TPH & 200 TPH]

The PRIMAX Asphalt Batch Mix Plant is designed with an advanced modular structure, offering modern design, and compactness. Engineered for high efficiency, low fuel consumption, and precise control, it ensures a homogeneous mix and long-lasting performance.

- **Design** : Advanced modular and compact design for easy installation and relocation •
- **Dryer Drum** : Specially engineered drum and blade arrangement for high thermal efficiency •
- **Burner** : High-pressure atomized burner ensuring optimal fuel efficiency and superior safety standards •
- **Cold Aggregate Mixing** : Initial mixing via speed-adjustable belt feeder for accurate proportioning •
 - **Vibrating Screen** : High-efficiency screen minimizing vibration impact on frame structure •
 - **Weighing System** : Fully electronic weighing sensors for high accuracy and reliability •
- **Mixer Type** : New-generation horizontal twin-shaft mixer for fast, consistent, and high-quality mixing •
 - **Control System** : Modern, user-friendly computerized control panel •



PRIMAX Paver Finisher

The PRIMAX Paver Finisher Machines are engineered for high-quality bituminous and wet mix paving. They feature robust transmission systems, hydraulically extendable screeds, power steering, and advanced operator controls, ensuring precision, efficiency, and ease of operation across all paving applications.

Technical Specification	PAP 450	PWP 450
Engine	Kirloskar / Leyland	Kirloskar / Leyland
Paving Thickness	10 mm - 200 mm	10 mm - 200 mm
Paving Speed	1.25 - 23 m/min	1.25 - 23 m/min
Paving Width	2.5 - 4.5 mtrs	2.5 - 4.5 mtrs
Travel Speed	0 - 16 km/hr	0 - 16 km/hr
Hopper Capacity	4 Cubic Meters	4 Cubic Meters
Steering	Power Steering	Power Steering
Auger Diameter	300 mm	300 mm
Weight (Approx.)	9600 Kg	10300 Kg



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