



MFG. & EXP. OF
**CONSTRUCTION
MACHINERY AND
TROMMEL MACHINES**

EVERY MACHINE, A COMMITMENT TO EXCELLENCE

ASPHALT BATCH MIX PLANT

An asphalt batch mix plant is a facility used for the Batch production of hot mix asphalt (HMA), a key material in road construction. It operates by heating and mixing aggregates, bitumen, and other additives in precise proportions. The plant consists of several components, including a cold feed system for raw materials, a drum dryer for drying aggregates, a mixer for combining the ingredients, and storage silos for the finished asphalt. The batch process ensures that each mix is uniform and of high quality, making it suitable for projects that require specific performance characteristics. Asphalt batch mix plants are commonly used for large-scale infrastructure projects due to their ability to produce high-quality asphalt with consistent results.



ASPHALT DRUM MIX PLANT

An asphalt drum mix plant is a type of continuous mixing plant used for the production of hot mix asphalt (HMA). In this plant, aggregates, bitumen, and fillers are continuously fed into a rotating drum where they are heated, mixed, and discharged as a homogenous asphalt mix. The key feature of a drum mix plant is its ability to produce asphalt in a continuous flow, unlike batch mix plants that produce asphalt in separate batches. This design allows for higher production capacity and faster output, making it ideal for Small & large scale road construction projects. The plant is known for its simplicity, cost-effectiveness, and efficient operation, though it offers less precise control over mix quality compared to batch plants. Drum mix plants are commonly used for projects that require high-volume, continuous asphalt production.



WET MIX MACADAM PLANT

A Wet Mix Macadam (WMM) plant is a facility used for the production of a stabilized base course for road construction, known as wet mix macadam. In this process, a precise blend of crushed aggregates, sand, and stabilizing additives such as cement or lime is mixed with water to create a dense, homogeneous mixture. The plant typically consists of cold feeders for the aggregates, a mixing unit where the materials are combined with water and additives, and a conveyor system for transporting the wet mix to a storage silo or Hopper Unit. The wet mix macadam is then laid on the roadbed and compacted to form a strong, durable foundation layer. This type of plant is favored for its ability to produce high-quality, uniform mixes that ensure a stable base for asphalt or concrete pavements, making it essential in both rural and urban road construction projects.



CONCRETE BATCHING PLANT

A concrete batching plant is a facility used for the production of ready-mix concrete, where various ingredients such as cement, aggregates, water, and additives are mixed in precise proportions to produce a homogeneous mixture for construction projects. The plant typically consists of a series of interconnected systems, including storage bins for raw materials, a weighing system for accurate measurement, a mixer for combining the materials, and a control unit to manage the entire process. Concrete batching plants can be either stationary or mobile, with stationary plants often used for large-scale projects, while mobile plants offer flexibility and ease of transport for smaller or remote projects. The automation and precise control in modern batching plants ensure that the concrete meets required specifications for strength, consistency, and quality, making them essential for the efficient and reliable production of concrete in road construction, building projects, and infrastructure works.



TRUCK MOUNTED BITUMEN SPRAYER

A truck-mounted bitumen sprayer is a specialized vehicle used in road construction for the application of bitumen on surfaces prior to laying asphalt or other materials. Mounted on a truck chassis, the sprayer is equipped with a high-capacity tank to store bitumen, and a precise spraying system that ensures an even and controlled application. The sprayer features adjustable nozzles and spray bars to uniformly distribute the bitumen over the desired area, either for surface treatment, road patching, or as a tack coat before laying the asphalt. The truck-mounted design offers mobility, allowing it to easily transport the bitumen to various work sites. These sprayers are essential for ensuring optimal bonding between layers, improving road durability, and enhancing the quality of the pavement structure. Their efficiency and ease of operation make them a crucial tool in road maintenance and construction.



TROLLEY MOUNTED BITUMEN SPRAYER

A trolley-mounted bitumen sprayer is a type of bitumen application equipment designed for use in road construction, where bitumen or asphalt binder needs to be evenly sprayed onto surfaces. Mounted on a tractor or trolley, the sprayer is powered by the tractor's engine, offering flexibility and mobility in a variety of roadwork environments. The system includes a bitumen tank for storage with inbuilt heating unit to keep the bitumen at the required temperature, a spray pipe for manual spraying and a spray bar equipped with nozzles to ensure a uniform coating of bitumen. Tractor-mounted sprayers are particularly effective for tasks such as surface dressing, tack coating, or sealing, and are favored for their ability to cover small & large areas quickly and efficiently. This equipment is well-suited for both rural and urban road maintenance and construction, offering a cost-effective, portable solution for bitumen application in diverse working conditions.



ROAD BROOMER

A tractor-towable hydraulic road broomer for road construction is a highly effective piece of equipment used to maintain clean and safe work surfaces during roadbuilding projects. Designed to be hitched to a tractor, this broomer utilizes the tractor's hydraulic system to power rotating brushes that sweep away debris, dirt, and loose material from the road surface. The hydraulic control system allows for precise adjustment of the broom's speed, and pressure, ensuring optimal cleaning performance on various surface types, such as gravel, asphalt, or dirt roads. In road construction, it is particularly useful for cleaning the surface before laying new asphalt, after surface dressing, or following excavation and grading work, ensuring a smooth, debris-free base for further construction. The tractor-towable design provides excellent mobility, making it easy to move around large construction sites, and is an economical, efficient solution for maintaining road cleanliness and ensuring high-quality construction standards.



CHIP SPREADER

A tailgate chip spreader is a specialized piece of equipment used in road construction for the precise and uniform distribution of aggregate chips onto a freshly sprayed layer of bitumen or asphalt during surface treatment processes like chip sealing. Mounted at the rear of a dump truck, the tailgate chip spreader uses a conveyor system to transfer the aggregate from the truck's bed to a spreading box, which then disperses the chips evenly across the road surface. The spreader's settings can be adjusted to control the width and thickness of the chip application, ensuring optimal coverage. Tailgate chip spreaders are particularly useful for small to medium-sized paving projects and resurfacing tasks, offering an efficient and cost-effective solution for improving road surfaces. By providing an even layer of chips, they help to enhance road durability, traction, and weather resistance, while also extending the life of the underlying asphalt.



BITUMEN DRUM DECANter

A bitumen decanter machine is an essential piece of equipment used in the road construction industry for melting and decanting solidified bitumen from drums or containers. Typically, bitumen is supplied in 180 kg drums, and the decanter machine efficiently heats and liquefies the bitumen, making it ready for use in asphalt production. The machine consists of a heating chamber, a drum unloading system, and a decanting mechanism that ensures the bitumen is smoothly extracted and transferred into a storage tank or directly to the mixing plant. The process involves controlled heating, usually using a combination of electrical or oil-based heating systems, to prevent overheating and maintain the quality of the bitumen. Bitumen decanter machines are crucial for ensuring a continuous, reliable supply of liquid bitumen for asphalt mixing, especially in areas with limited access to bulk liquid bitumen storage, offering convenience, safety, and efficiency in handling bitumen.



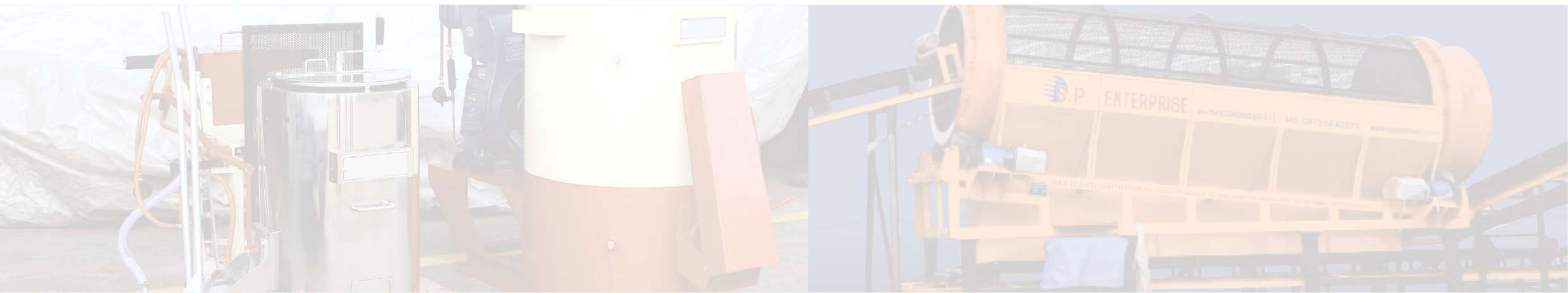
ASPHALT PAVER FINISHER

An asphalt paver finisher is a key piece of heavy equipment used in road construction to lay and level hot mix asphalt onto a prepared surface, creating a smooth and even pavement layer. The paver works by receiving the hot asphalt mix from a dump truck, which is then distributed evenly across the width of the road by a conveyor system. The material is spread, leveled, and compacted by the machine's screed, which can be adjusted for different thicknesses and widths to achieve the desired road profile. Asphalt pavers are equipped with advanced control systems that allow for precise adjustments of the screed's temperature, speed, and material flow, ensuring uniform quality and finish. These machines are crucial for high-quality road construction, offering efficient operation and excellent surface smoothness, making them indispensable in both large-scale highway projects and smaller infrastructure works.



ROAD MARKING MACHINE

A road marking machine is a specialized piece of equipment used to apply paint or thermoplastic material to road surfaces, creating clear, durable markings such as lane lines, pedestrian crossings, and road symbols. These machines typically consist of a paint reservoir, a spray or extrusion system, and a set of applicators that ensure precise and even application. Depending on the type of machine, the road marking process can involve spray guns, brushes, or rollers to distribute the material evenly across the road. Modern road marking machines are often equipped with automated controls that allow for adjustable line widths, material flow rates, and even the application of reflective beads for enhanced visibility at night. They are widely used in both new road construction and maintenance projects, improving road safety by clearly delineating lanes and guiding drivers. Road marking machines are crucial for maintaining order on roads and ensuring smooth, safe traffic flow.



TROMMEL MACHINE

A trommel machine is an essential equipment used for solid waste segregation, designed to separate materials based on size and density. It consists of a rotating cylindrical drum with perforations or screens that allow smaller materials to pass through while larger items are retained. As the waste is fed into the drum, it is agitated by the rotation, causing the smaller particles, such as organic matter, plastics, and debris, to fall through the holes, while larger items like metals, glass, or bulky waste are discharged at the end. Trommel machines are widely used in waste management facilities to sort recyclable materials, compostable organic waste, and other debris, improving the efficiency of waste processing and enabling effective resource recovery. Their ability to handle large volumes of waste and provide accurate separation makes them an important tool in recycling plants, landfills, and municipal solid waste management systems, promoting sustainability and waste diversion.



ABOUT US

We are a leading manufacturer and exporter of high-quality construction machinery and trommel machines, dedicated to providing innovative and reliable solutions for the construction and mining industries. Our comprehensive range of construction equipment includes advanced technologies and robust designs, ensuring optimal performance in even the toughest environments. Committed to excellence, we focus on quality, customer satisfaction, and sustainable practices, establishing ourselves as a trusted partner for construction and mining professionals worldwide.



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