

Melter

Pavement marking machine

The MB Melter is a thermoplastic support system designed to supply molten material for Apollo applicator carts and long line striping trucks. Thermoplastic material is loaded into insulated kettles, where a burner heats the material through side heat stacks and a central heat riser. A hydraulic agitator keeps the material moving to ensure uniform melting and maintain optimal temperature. Available in stand-alone, skid-, trailer-, or truck-mounted configurations, the Melter offers capacities from one 500 kettle up to 4,000 lbs kettles and can be powered by propane or diesel engines. Optional cranes or lift gates allow safe handling of thermoplastic material and applicator equipment. The system is suitable for inner-city roads, highways, parking facilities, industrial and port areas, sidewalks, and cycleways.

Highlights

- **Hydraulic agitator** – Ensures even melting of thermoplastic material for consistent performance
- **Insulated kettles** – Maintain optimal temperature for efficient operation
- **Flexible mounting options** – Stand-alone, skid, trailer, or truck-mounted systems
- **Propane or diesel-fired heating** – Adaptable to operational preferences and site conditions
- **Optional crane or lift gate** – Safe and efficient handling of materials and applicator equipment

Your benefits

- **Consistent material supply** – Supports uniform thermoplastic application and high-quality markings
- **Efficient pavement marking support** – Reduces downtime when working with Apollo carts or long line striping trucks
- **Versatile deployment** – Suitable for innercity roads, highways, parking facilities, industrial areas, sidewalks, and cycleways
- **Simplified operation** – Flexible configurations fit different workflows and operational setups



Enhancing roadway safety through innovation
MB pavement marking solutions deliver reliable performance with precise and consistent results.



Our experienced service teams act quickly to keep your equipment performing reliably whenever it's needed — we understand your challenges and stand with you as a committed partner.

Performance features

Trailers and Kettles

The Melter is available as part of a trailer-mounted system or as individual kettles without a trailer or chassis. Trailer-mounted Melter units can be configured with axle ratings appropriate for the required weight and load capacity, with single or double kettle configurations available.
For operations requiring maximum flexibility, kettles can also be supplied individually or as skid-mounted (skidded) units. Stand-alone and skid-mounted Melter units do not require a dedicated chassis, making them easy to deploy on job sites. Kettles and power packs are available with LP (propane) or diesel fuel options to suit operational preferences.





Chassis

Truck-mounted Melter units are available on a variety of commercial chassis platforms. Customers can choose from Peterbilt, Isuzu, Mack, Autocar, Battle Motors, Freightliner, or International chassis. Configurations include single axle, single axle with lift axle, tandem axle, or tandem axle with lift axle. Chassis specifications are engineered to meet the operational requirements of thermoplastic pavement marking.







Melter Platform

The Melter platform is designed for safe, efficient, and flexible operation. Multiple access ladders provide convenient entry, while optional lift gates or cranes make loading and unloading thermoplastic material and Apollo applicator carts quick and secure. Additional equipment options, including toolboxes, stencil racks, safety lighting, and message or arrow boards, allow crews to customize the platform for maximum productivity and operational convenience.



Melter Equipment

The Melter provides thermoplastic material to Apollo applicator carts and long line striping trucks. Heated kettles with hydraulic agitation ensure the material remains consistent and ready for application, while integrated dispensing systems allow easy transfer to applicator carts or trucks.

Material Handling System

A safety chute allows material to be added to the kettle while keeping the bag isolated for safer handling. Once melted, the material can be dispensed through a chute to fill Apollo applicator carts, with the option to add hoses for supplying long line striping trucks.

Operator Controls & Safety Systems

Operator safety is built into every Melter system. The safety chute isolates material during loading, while optional lift gates or cranes provide secure handling of thermoplastic material and Apollo applicator carts. Personal protective equipment (PPE) can be used to further enhance operator safety during all handling and loading operations.

Options

The Melter can be configured to meet a variety of operational needs. Key options include:

- Available capacities: 500 lbs – 4000 lbs
- Mounting options: stand-alone, skid-mounted, trailer-mounted, or truck-mounted
- Truck chassis options: Peterbilt, Isuzu, Mack, Autocar, Battle Motors, Freightliner, or International
- Heating options: propane or diesel-fired
- Material handling: optional crane or lift gate for safe loading and unloading of thermoplastic material and Apollo applicator carts
- Additional accessories: safety lighting, night lighting, toolboxes, and stencil racks

Customozed Solutions

A wide range of features can be customized to fit your specific operational needs. This includes additional safety and night lighting, toolboxes, lift deck configurations, and optional crane or lift gate for truck- and trailer-mounted units to support safe loading and unloading of Apollo applicator carts.

MB Pavement specializes in engineering fully customized solutions—designed from the ground up to match each customer's specific operational needs. From machine layout to specialized components, every detail is adapted to ensure that your pavement marking machine aligns seamlessly with your workflow, vehicle platform, and performance expectations.

Related products

Thermoplastic

Pavement marking machine



Epoxy

Pavement marking machine





We know how important it is that your machines and equipment are always ready to deploy. Get in touch with us about our range of tailored services and original spare parts.

Technical data

	Trailer 1500	Trailer 3000
Truck Chassis		
Chassis Model	Trailer	Trailer
Chassis GVWR	10,000 lbs	16,000 lbs
Chassis Wheelbase	16‘ 3“	19‘ 2“
Overall Truck Length (Approx.)	19 1/2‘	24‘
Fuel Type	Diesel	Diesel
Fuel Tank Size	50 gal	50 gal
Equipement Platform		
Material of Construction	Structural steel	Structural steel
Deck Surface	Diamond tread plate	Diamond tread plate
Overall Width	8‘ 6“	8‘ 6“
Overall Length	15‘	18‘
Material storage capacity	–	2,000 lbs
Side Lift Gate Capacity	–	1,250 lbs
Equipement Utilities		
Auxiliary Engine	10.8 Hp Kubota Diesel Engine	10.8 Hp Kubota Diesel Engine
Hydraulic Pump	Gear pump	Gear pump
Hydraulic System Type	Open center, with return filter & cooler	Open center, with return filter & cooler
Hydraulic Reservoir	15 gal	15 gal
Application Material System		
Material Tank Type	Air jacketed diesel fired kettle with hydraulic driven agitator and single burner	Air jacketed diesel fired kettle with hydraulic driven agitator and single burner
Material Tank Quantity	1	2
Material Tank Capacity	1,500 lbs	1,500 lbs
Material Plumbing	4“ Plug Valve Outlet to 3“ Teflon Lined Fill Hoses	4“ Plug Valve Outlet to 3“ Teflon Lined Fill Hoses
Lighting		
Cab Lights	Amber LED light bar	Amber LED light bar
Platform ICC Lights	3/4“ LED Marker lights	3/4“ LED Marker lights
Safety		
Fire Extinguishers	(1) 5# in cab / (1) 10# on platform	(1) 5# in cab / (1) 10# on platform
Ladders	(1) Ladder	(1) Ladder
Platform Railings	42“ Square tube railing / rounded corners / bolt-on	42“ Square tube railing / rounded corners / bolt-on
TPX Safety	(2) High temp gloves / (1) Face shield / (1) 5 gallon water tank	(2) High temp gloves / (1) Face shield / (1) 5 gallon water tank

	Truck 3000	Truck 4000
Truck Chassis		
Chassis Model	Freightliner M2 106 Plus	Freightliner M2 106 Plus
US Truck Class	6	7
Chassis GVWR	26,000 lbs	33,000 lbs
Chassis Engine	Cummins L6.7 (6.7L)	Cummins L9 (9L)
Chassis Engine Performance	200 HP (2,200 1/min)	260 HP (2,200 1/min)
Front Axle & Suspension Type	Steer axle, 8k GAWR	Steer axle, 12k GAWR
Rear Axle & Suspension Type	Leaf Spring Suspension, 23k GAWR Single	Leaf Spring Suspension, 23k GAWR Single
Chassis Wheelbase	15‘	17‘ 3“
Overall Truck Length (Approx.)	26‘	29 1/2‘
Overall Truck Height (Approx.)	11‘	12 1/2‘
Fuel Type	Diesel	Diesel
Fuel Tank Size	100 gal	100 gal

	Truck 3000	Truck 4000
Equipement Platform		
Material of Construction	Structural steel	Structural steel
Deck Surface	Diamond tread plate	Diamond tread plate
Overall Width	8‘	8‘
Overall Length	15‘	17‘ 6“
Riser Height	5“	5“
Material storage capacity	–	4,000 lbs
Side Lift Gate Capacity	–	2,000 lbs
Equipement Utilities		
Auxiliary Engine	22 Hp Kubota Diesel Engine	22 Hp Kubota Diesel Engine
Hydraulic Pump	Gear pump	Gear pump
Hydraulic System Type	Open center, with return filter & cooler	Open center, with return filter & cooler
Hydraulic Reservoir	15 gal	15 gal
Application Material System		
Material Tank Type	Air jacketed diesel fired kettle with hydraulic driven agitator and single burner	Air jacketed diesel fired kettle with hydraulic driven agitator and single burner
Material Tank Quantity	2	2
Material Tank Capacity	1,500 lbs	2,000 lbs
Material Plumbing	4“ Plug Valve Outlet to 3“ Teflon Lined Fill Hoses	4“ Plug Valve Outlet to 3“ Teflon Lined Fill Hoses
Lighting		
Cab Lights	Amber LED light bar	Amber LED light bar
Platform ICC Lights	3/4“ LED Marker lights	3/4“ LED Marker lights
Safety		
Fire Extinguishers	(1) 5# in cab / (1) 10# on platform	(1) 5# in cab / (1) 10# on platform
Ladders	(2) Ladders	(2) Ladders
Platform Railings	42“ Square tube railing / rounded corners / bolt-on / aluminum material gates	42“ Square tube railing / rounded corners / bolt-on / aluminum material gates
TPX Safety	(2) High temp gloves / (1) Face shield / (1) 5 gallon water tank	(2) High temp gloves / (1) Face shield / (1) 5 gallon water tank

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Document created on 7 OCT 2026

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