

Pumper

Pavement marking machine

The MB Pumper is an air-atomized paint pavement marking system which uses diaphragm pumps for paint delivery and atomizing air for paint spray. Paint is loaded into non-pressure stainless steel round/rectangular, or paint-manufacturer-supplied tote tanks by diaphragm pumps from a paint source. Paint is then delivered to the paint spray guns by diaphragm pumps. Inside the air atomized paint guns, atomizing air is injected into the paint stream, atomizing the paint into fine droplets. For optimal performance, a «flush-on-the-fly» gun tip flush system is supplied to clean the paint tips with cleaner solution and air purge. Lighter non-pressure tank design allows more paint to be carried on a chassis of equal GVWR compared to Pressure Pot units with ASME pressure tanks. When using tote tanks, loading is as simple as lifting the tote onto the deck and connecting the paint discharge directly to the diaphragm pump.

Highlights

- **Pumper system – Maximize Payload and Performance with Custom Options**
- **Configurable guidance options** including left and right-side guidance camera system, optical sight, laser, and hydraulic pointer and more
- **Flexible control systems** with Skipline, handheld remotes, and joystick operation
- **Gun height adjustment** and **insullated paint lines** ensure crisp, clean application
- **Gun systems** from Graco and Kamber, available with optional skip timers from Skipline and Epic

Your benefits

- **Simple to operate and maintain** – Easy to clean tank
- Optimized performance across a **wide range of vehicle speeds and paint viscosities**
- Choice of permanent or tote tanks for **flexible configurations**
- Platform layout designed for **efficient workflow and service access**
- **Precise control** of paint delivery and atomizing pressure for consistent results

Performance features

Chassis

Choose from Peterbilt, Isuzu, Mack, Autocar, Battle Motors, Freightliner, or International chassis, available in single axle, single axle with lift axle, tandem axle, or tandem axle with lift axle configurations. Chassis are available with gas, diesel, or CNG fuel options to match your operational and environmental requirements. Each chassis is engineered to meet the specific needs of the striping machine, and dual steer options are available for enhanced maneuverability.
MB chassis solutions are highly customizable, allowing each unit to be configured based on your operational needs, local regulations, and preferred platform layout.







Striping Platform

Designed with operator safety and convenience in mind – The truck features multiple forms of egress, including rear steps with anti-skid material for safe access to the rear operator area. A 12“ wide rear bumper provides space for mounting optional equipment such as toolboxes, hose reels, and paint manifolds. Multiple access ladders and bolt-down railings ensure safe operation and allow easy removal and replacement for servicing. The striping platform is available with diamond tread plate or smooth surface with tread tape, and can be configured in steel or aluminum to meet specific requirements.

Striping Equipment

The striping equipment features a linear bearing carriage mounted on dual outriggers for smooth, stable operation. Gun mounts accommodate air jets, paint guns, and glass guns, while multiple bead systems—including double drop and Visi-lo—offer versatile application options. ASME certified pressure vessels at a constant, regulated pressure provide precise paint flow to the gun tips, while integrated glass bead tanks support accurate media delivery. Air jets help clear debris to maintain clean lines. A hand painting gun is available, with or without a reel and beads. Choose between rear or mid-mount carriages featuring auto-lock stowage and optional rumble strip avoidance for smooth performance. Choose between mid-mount or rear- mount striping carriages, as well as single or dual wheel carriages, with optional rumble strip avoidance and a selection of standard or aircraft-style wheels. The optional Visilok system also accelerates paint curing, helping reduce rying time and boost productivity.

Paint and Pump System

The Pumper style airless paint system combines low-pressure 2“ diaphragm pumps for both loading and pressurizing paint, ensuring consistent delivery to the guns. Built with sanitary process paint plumbing, it simplifies daily cleaning and reduces downtime. This efficient design supports smooth operation and reliable performance across a wide range of marking applications.

Air Compressor

Reliable power on demand. Diesel-powered utility skid air compressors—including Boss 210/250 and Sullivan Pallatek 260—run on a robust 74 HP John Deere 4045D engine, delivering consistent performance with Tier 4 Final EPA compliance.

Operator Controls & Safety Systems

Operator safety and comfort are built into every detail of the system. Secure seatbelt restraints and ergonomic seating support long shifts, while optional ROPs (Roll Over Protection Systems) and available crash attenuators offer added protection in high-risk environments. A range of operator stations—including open canopy or fully enclosed climate-controlled cabs in various configurations—can be equipped with bubble windows, sliding or swinging doors. In the rear operator cab, precise control of paint and atomizing pressure gives operators the ability to fine-tune application for consistent line quality. Communication is clear and reliable with your choice of wireless or hardwired headsets.

Line application guidance/carriage steering options include hydraulic or steer-by-wire steering wheels, joysticks, or Limntech automated operator systems. Additional guidance support includes rear-view camera systems (with optional DVR for traffic recording), guidance cameras, hydraulic pointers, driver and operator lasers, and bomb sights.
Control and data logging options range from automated skip controllers and handheld remotes to full material management and reporting systems. Lighting safety features such as night lighting, strobes, and message or arrow boards ensure maximum visibility and operational safety in all conditions.

Options

A wide range of configurable options is available for the MB Pumper pavement marking machine, allowing each system to be tailored precisely to the specific needs and preferences:

- Multiple bead systems available: Double drop and Visilok options
- Flexible paint gun configurations available including high build double gun
- 1-3 paint color application systems available
- Optional «any color-any gun» paint manifold
- Hand painting gun with or without reel and with or without beads
- Paint heat and gun height adjuster options for superior control of paint application precision
- Single wheel or dual wheel carriages available with optional rumble strip avoidance system and standard or aircraft style wheels
- Optional cone setting deck, crash attenuator and toolboxes
- Mid-mount or rear mount striping carriages available
- Air jets to clear debris
- Cleaning systems available for line flush and wash down
- Guidance systems including rear view camera (with optional DVR for recording traffic), line guidance camera system with outriggers and monitor, hydraulic pointer, laser for driver, lasers for operators, bomb sight
- Line application guidance including steering wheels (hydraulic or steer-by-wire), joysticks or Limntech automated operator systems
- Lighting safety options including night lighting, strobes and message or arrow boards
- Communications systems: wireless or hardwired headsets
- Controls/data logging including skip controllers, full data recording, hand-held remote controls and variable material management systems
- Operator stations: No cover, open canopy, climate-controlled enclosure (square cab, hi-vis cab, bay window cab - all with or without bubble windows and choices of sliding or swinging doors) with or without ROPs system

Customized solutions

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.

Gallery







Related products

Pressure Pot

Pavement marking machine



Airless

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

	MAXI 240	MAXI 500
Truck Chassis		
Chassis Model	Isuzu FTR	Isuzu FVR
US Truck Class	6	7
Chassis GVWR	25,900 lbs	33,000 lbs
Chassis Engine	Cummins B6.7 (6.7L)	Cummins B6.7 (6.7L)
Chassis Engine Performance	260 HP (2,400 1/min)	260 HP (2,400 1/min)
Front Axle & Suspension Type	Dana E-1254W steer axle, 12k GAWR	Dana E-1254W steer axle, 12k GAWR
Rear Axle & Suspension Type	Air spring Dana S19-140, 19k GAWR	Air spring Dana S21-140, 21k GAWR
Chassis Wheelbase	12‘ 8“	14‘ 2“
Overall Truck Length (Approx.)	28‘	29‘
Overall Truck Height (Approx.)	11‘	11‘
Turning Radius (Curb to Curb)	21.8‘	23.7‘
Fuel Type	Diesel	Diesel
Fuel Tank Size	50 gal	50 gal
Equipement Platform		
Material of Construction	Structural steel	Aluminum
Deck Surface	Flat sheet steel with abrasive grip tape	Flat sheet aluminum with abrasive grip tape
Overall Width	8‘	8‘
Overall Length	16‘ 8“	18‘ 6“
Riser Height	8“	8“
Equipement Utilities		
Auxiliary Engine	74 hp Tier 4F diesel engine	74 hp Tier 4F diesel engine
Air Compressor Model	BOSS 210 utility skid rotary screw compressor	BOSS 210 utility skid rotary screw compressor
Air Dryer	Schmidt coalescing dryer	Schmidt coalescing dryer
Hydraulic Pump	Gear Pump, engine aux drive	Gear Pump, engine aux drive
Hydraulic System Type	Closed center, with return filter	Closed center, with return filter
Hydraulic Reservoir	10 gal	10 gal
Cleaner System		
Cleaner Tank Type	Stainless steel ASME	Stainless steel ASME
Cleaner Tank Capacity	20 gal	20 gal
Gun Flushing	Manual 3-way valve gun flushing in Console	Manual 3-way valve gun flushing in Console
Application Material System		
Material Tank Type	Stainless steel non-pressure round tanks with hydraulic agitator	Stainless steel non-pressure round tanks with hydraulic agitator
Material Tank Quantity	2	2
Material Pumps	2“ MB Diaphragm pumps with PTFE seals and balls	2“ MB Diaphragm pumps with PTFE seals and balls
Material Plumbing	2“ Stainless steel sanitary process plumbing	2“ Stainless steel sanitary process plumbing
Material Manifold Filter	Stainless steel with sanitary clamp end and 100 sq in filter	Stainless steel with sanitary clamp end and 100 sq in filter
Glass Bead System		
Glass Bead Tank Type	Steel ASME with (3) sight gauges	Steel ASME with (3) sight gauges
Glass Bead Tank Quantity	1	1
Glass Bead Tank Capacity	1,500 lbs	3,000 lbs
Glass Bead Loading	Vacuum fill with jet pump	Vacuum fill with jet pump
Loading Rate	200 lbs/min	200 lbs/min
Glass Bead Plumbing	2“ Sanitary and/or NPT	2“ Sanitary and/or NPT
Glass Bead Manifold	Steel with sanitary clamp end	Steel with sanitary clamp end
Glass Bead & Paint Guns, Air Blowers		
Paint Guns	Kamber 38-15	Kamber 38-15
Paint Gun Quantity	4	4
Glass Bead Guns	Kamber 90HO	Kamber 90HO
Glass Bead Gun Quantity	3	3
Air Blowers	3	3

	MAXI 240	MAXI 500
Outrigger & Carriage Type		
Outrigger Location	Rear	Rear
Carriage Style	Linear bearing vertical lift with pneumatic cylinders	Linear bearing vertical lift with pneumatic cylinders
Outrigger Travel	48“	48“
LH Carriage Wheel Quantity	2	2
RH Carriage Wheel Quantity	1	1
Operator Area		
Operator Cover Type	Canopy	Canopy
Operator Seats	(2) Air ride vinyl high back seats	(2) Air ride vinyl high back seats
Control Box Mounts	Weatherproof enclosures on RAM ball mounts	Weatherproof enclosures on RAM ball mounts
Equipment Controls		
Outrigger Steering	Tilting & telescoping steering columns	Tilting & telescoping steering columns
Operator Console	Single rear console	Single rear console
Skip Timer Control Boxes	(2) Skipline SC-12	(2) Skipline SC-12
Digital Speed Meter	In front cab	In front cab
Lighting		
Cab Lights	Amber LED light bar	Amber LED light bar
Platform ICC Lights	3/4“ LED Marker lights	3/4“ LED Marker lights
Carriage Lights	Red/white flashers	Red/white flashers
Safety		
Fire Extinguishers	(1) 5# in cab / (1) 10# on platform	(1) 5# in cab
Ladders	(3) Ladders and rear steps	(3) Ladders and rear steps
Platform Railings	42“ Square tube railing / rounded corners / bolt-on	42“ Square tube railing / rounded corners / bolt-on

	MAXI 550 TOTE	MAXI 800
Truck Chassis		
Chassis Model	Isuzu FVR	Peterbilt 520
US Truck Class	7	8
Chassis GVWR	33,000 lbs	60,000 lbs
Chassis Engine	Cummins B6.7 (6.7L)	Paccar PX-9 (8.9L)
Chassis Engine Performance	260 HP (2,400 1/min)	360 HP (2,000 1/min)
Front Axle & Suspension Type	Dana E-1254W steer axle, 12k GAWR	Paccar FX-20 steer axle, 20k GAWR
Rear Axle & Suspension Type	Air spring Dana S21-140, 21k GAWR	Air spring Dana DSP41, 40k GAWR
Chassis Wheelbase	14‘ 2“	14‘ 2“
Overall Truck Length (Approx.)	29‘	33‘
Overall Truck Height (Approx.)	11‘	11 1/2‘
Turning Radius (Curb to Curb)	23.7‘	32‘
Fuel Type	Diesel	Diesel
Fuel Tank Size	50 gal	80 gal
Equipement Platform		
Material of Construction	Aluminum	Structural steel
Deck Surface	Flat sheet aluminum with abrasive grip tape	Flat sheet steel with abrasive grip tape
Overall Width	8‘	8‘
Overall Length	18‘ 6“	22‘ 8“
Riser Height	8“	8“
Equipement Utilities		
Auxiliary Engine	74 hp Tier 4F diesel engine	74 hp Tier 4F diesel engine
Air Compressor Model	BOSS 250 utility skid rotary screw compressor	BOSS 210 utility skid rotary screw compressor
Air Dryer	Schmidt coalescing dryer	Schmidt coalescing dryer
Hydraulic Pump	Gear Pump, engine aux drive	Gear Pump, engine aux drive
Hydraulic System Type	Closed center, with return filter	Closed center, with return filter
Hydraulic Reservoir	10 gal	10 gal

	MAXI 550 TOTE	MAXI 800
Cleaner System		
Cleaner Tank Type	Stainless steel ASME	Stainless steel ASME
Cleaner Tank Capacity	20 gal	40 gal
Gun Flushing	Manual 3-way valve gun flushing in Console	Manual 3-way valve gun flushing in Console
Application Material System		
Material Tank Type	Customer-supplied tote (poly or stainless steel)	Stainless steel rectangular bulk tank, 2 compartments, hydraulic agitators
Material Tank Quantity	2	2
Material Pumps	2“ MB Diaphragm pumps with PTFE seals and balls	2“ MB Diaphragm pumps with PTFE seals and balls
Material Plumbing	2“ Stainless steel sanitary process plumbing	2“ Stainless steel sanitary process plumbing
Material Manifold Filter	Stainless steel with sanitary clamp end and 100 sq in filter	Stainless steel with sanitary clamp end and 100 sq in filter
Glass Bead System		
Glass Bead Tank Type	Steel ASME with (3) sight gauges	Steel ASME with (3) sight gauges
Glass Bead Tank Quantity	1	1
Glass Bead Tank Capacity	3,000 lbs	5,000 lbs
Glass Bead Loading	Vacuum fill with jet pump	Vacuum fill with jet pump
Loading Rate	200 lbs/min	200 lbs/min
Glass Bead Plumbing	2“ Sanitary and/or NPT	2“ Sanitary and/or NPT
Glass Bead Manifold	Steel with sanitary clamp end	Steel with sanitary clamp end
Glass Bead & Paint Guns, Air Blowers		
Paint Guns	Kamber 38-15	Kamber 38-15
Paint Gun Quantity	4	4
Glass Bead Guns	Kamber 90HO	Kamber 90HO
Glass Bead Gun Quantity	3	3
Air Blowers	3	3
Outrigger & Carriage Type		
Outrigger Location	Rear	Rear
Carriage Style	Linear bearing vertical lift with pneumatic cylinders	Linear bearing vertical lift with pneumatic cylinders
Outrigger Travel	48“	48“
LH Carriage Wheel Quantity	2	2
RH Carriage Wheel Quantity	1	1
Operator Area		
Operator Cover Type	Canopy	Canopy
Operator Seats	(2) Air ride vinyl high back seats	(2) Air ride vinyl high back seats
Control Box Mounts	Weatherproof enclosures on RAM ball mounts	Weatherproof enclosures on RAM ball mounts
Equipment Controls		
Outrigger Steering	Tilting & telescoping steering columns	Tilting & telescoping steering columns
Operator Console	Single rear console	Single rear console
Skip Timer Control Boxes	(2) Skipline SC-12	(2) Skipline SC-12
Digital Speed Meter	In front cab	In front cab
Lighting		
Cab Lights	Amber LED light bar	Amber LED light bar
Platform ICC Lights	3/4“ LED Marker lights	3/4“ LED Marker lights
Carriage Lights	Red/white flashers	Red/white flashers
Safety		
Fire Extinguishers	(1) 5# in cab / (1) 10# on platform	(1) 5# in cab / (1) 10# on platform
Ladders	(2) Ladders and rear steps	(3) Ladders and rear steps
Platform Railings	42“ Square tube railing / rounded corners / bolt-on	42“ Square tube railing / rounded corners / bolt-on

Document created on
7 OCT 2026

Aebi Schmidt North America Inc. | Chilton, WI 53014, USA
www.aebi-schmidt.com

© Aebi Schmidt Group | All rights reserved. Technical data is subject to change. Illustrations are not binding. Errors and amendments excepted.

aebi schmidt group

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com