

Pressure Pot

Pavement marking machine

The MB Pressure Pot is an air-atomized paint pavement marking system which uses air pressure for paint delivery and spray. Paint is loaded into ASME-certified stainless steel pressure tanks by diaphragm pumps from a paint source. Paint is then delivered to the paint spray guns by paint tank air pressure. 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. Delivering the highest level of reliability, the Pressure Pot offers precise control of paint and atomizing pressure, supports a wide range of vehicle speeds and paint viscosities, and provides the lowest cost to maintain in its class.

Highlights

- **Pressure Pot system – Dependable Results with Minimal Maintenance**
- **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 **insulated paint lines** ensure crisp, clean application
- **Multiple gun systems available**: paint and bead guns from Kamber and Graco

Your benefits

- **Simple to operate and maintain** – Intuitive design and service access
- **Highly reliable** – Durable components for consistent performance
- **Precise control** of paint and atomizing pressure
- **Low maintenance cost** – Quick, modular servicing
- **Versatile performance** – Handles various speeds and paint viscosities

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 vertical lift carriage mounted on dual outriggers for smooth, stable operation. Gun mounts accommodate air jets, paint guns, and bead guns, while multiple bead systems—including double drop and Visilok—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. Pressure Pot stripers are available in both rear-mount and mid-mount outrigger location configurations, ensuring flexibility for various operational needs. 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 single or dual wheel carriages, with a selection of standard or aircraft-style wheels. The optional Visilok system also accelerates paint curing, helping reduce drying time and boost productivity.

Paint and Pump System

The Pressure Pot paint system uses air pressure to deliver paint directly from ASME-certified tanks to the guns, eliminating the need for a pump during striping. For loading, low-pressure 2“ diaphragm pumps efficiently transfer paint from the source into the tanks. The system is built with sanitary process paint plumbing for ease of maintenance, reducing downtime and simplifying daily cleaning and service. For precise application control, paint heating systems and gun height adjusters are available. The system supports flexible gun setups, including high-build double gun configurations, and offers one, two, or three-color application systems. An optional “any color–any gun” paint manifold adds even more versatility to match complex marking requirements with ease.

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 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, joysticks, or Limntech automated operator systems. Additional guidance support includes safety systems, guidance cameras, hydraulic pointers, driver and operator lasers, and optical 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 Pressure Pot 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, 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), joysticks or Limntech automated operator systems
- Lighting safety options including light bars, 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. Skipline SC-12, MST-14, and Epic Solutions timers are available.
- 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

Alternate configurations are available for single-operator units, including models 245 and 260RS. Palletized, removable systems can be designed for flatbed trucks, while utility vehicle-mounted and stencil marking units offer added flexibility for specific applications. Chassis PTO drive options can also be integrated. Additional customized solutions for toolboxes, crash attenuators, and a cone setting deck can be included as part of a tailored setup.
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

Pumper

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

	Advantage 500	Advantage 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	–
Chassis Wheelbase	14‘ 2“	14‘ 2“
Overall Truck Length (Approx.)	32‘	35‘
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“	21‘ 3“
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	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	Stainless steel ASME with hydraulic agitator	Stainless steel ASME 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	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

	Advantage 500	Advantage 800
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	(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

	Urbanliner 120	Urbanliner 240
Truck Chassis		
Chassis Model	Isuzu NRR	Isuzu FTR
US Truck Class	5	6
Chassis GVWR	19,500 lbs	25,900 lbs
Chassis Engine	Isuzu 4HK1-TC (5.19L)	Cummins B6.7 (6.7L)
Chassis Engine Performance	215 HP (2,500 1/min)	260 HP (2,400 1/min)
Front Axle & Suspension Type	Leaf spring steer axle, 7.3k GAWR	Dana E-1254W steer axle, 12k GAWR
Rear Axle & Suspension Type	Leaf spring axle, 13.7k GAWR	Air spring Dana S19-140, 19k GAWR
Chassis Wheelbase	11‘ 1“	12‘ 8“
Overall Truck Length (Approx.)	26‘	28‘
Overall Truck Height (Approx.)	10 1/2‘	11‘
Turning Radius (Curb to Curb)	20‘	21.8‘
Fuel Type	Diesel	Diesel
Fuel Tank Size	30 gal	50 gal
Equipement Platform		
Material of Construction	Structural steel	Structural steel
Deck Surface	Flat sheet steel with abrasive grip tape	Flat sheet steel with abrasive grip tape
Overall Width	7‘ 9“	8‘
Overall Length	15‘	16‘ 8“
Riser Height	7 1/2“	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

	Urbanliner 120	Urbanliner 240
Cleaner System		
Cleaner Tank Type	Stainless steel ASME	Stainless steel ASME
Cleaner Tank Capacity	10 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 ASME with hydraulic agitator	Stainless steel ASME with hydraulic agitator
Material Tank Quantity	2	2
Material Pumps	1-1/2“ MB Diaphragm pumps with PTFE seals and balls	1-1/2“ 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	1,000 lbs	1,500 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	Parallel linkage lift with pneumatic cylinder	Linear bearing vertical lift with pneumatic cylinders
Outrigger Travel	48“	48“
LH Carriage Wheel Quantity	1	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
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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

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