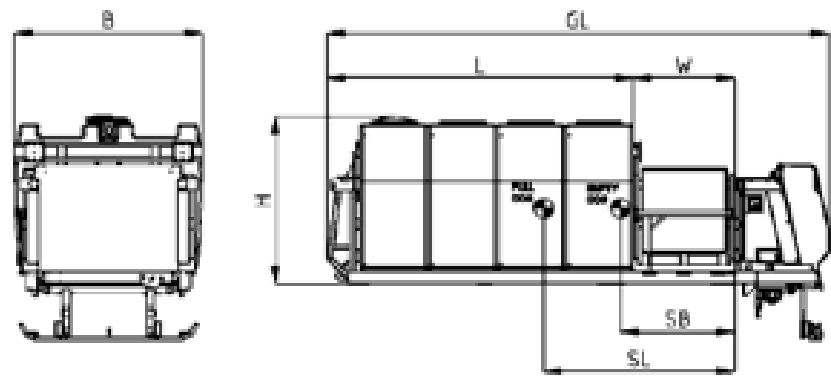


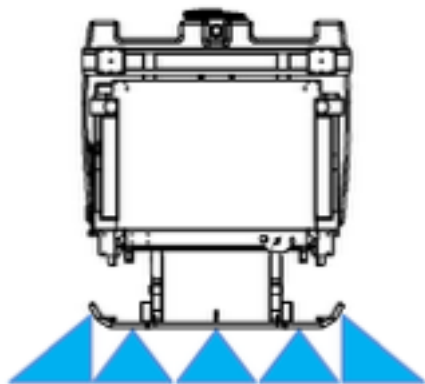
Dimensions



Dimensions (mm)	
B	2200
H	1970
L	3590
W	1200
GL	5890
SL**	2240
SB*	1340

\* The Centre of gravity position of the unladen vehicle.  
\*\* The Centre of gravity position of the loaded vehicle.

Spraying diagram



left                      central                      right  
Spraying width scheme (m)

Left	Central	Right
-	3,5	-
-	3,5	0,75
0,75	3,5	-
0,75	3,5	0,75



BMU\_MS10\_EN\_rev00\_02/2017 - the technical data and pictures are indicative and not binding



Giletta SpA  
Via A. De Gasperi, 1  
I-12036 Revello (CN)  
tel. +39 0175 258 800  
fax. +39 0175 258 825  
giletta@buchermunicipal.com  
www.buchermunicipal.com

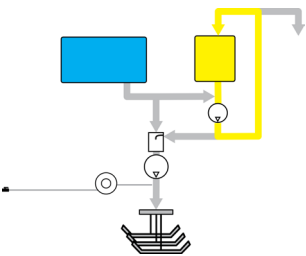
MIXSPRAY MS10  
Hydrated lime in-line mixing  
and spraying equipment

MIXSPRAY MS10

The MIXSPRAY MS10 has been designed to mix and spray on demand a calcium hydroxide based mixture during asphalt laying operations.

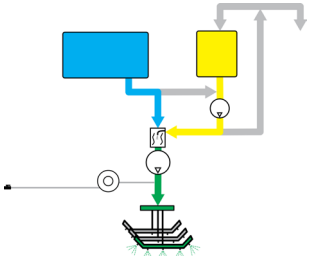
The hydrated lime is increasingly being used thanks to its anti-adhesive properties, to prevent that the tack coat is torn off by tyres of the construction machinery and trucks ensuring good adhesion between the various asphalt layers of asphalt pavement.

Working stages and equipment features



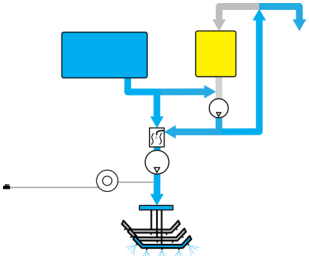
1. Hydrated lime homogenization

The hydrated lime, to be used and mixed with water, needs to be prepared. The various particles, even after a very short period of rest, tend to sediment and it is therefore necessary to stir the concentrate before use. The particles are resuspended using a pump that trough forced circulation stir the entire contents of the cube. The stirring process is managed through the control box in the cab and it can be customized on necessity.



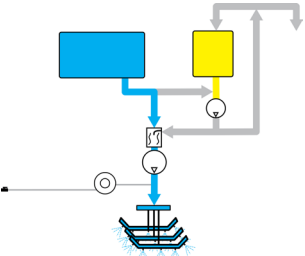
2. Hydrated lime spraying

Once prepared the hydrated lime you can proceed with mixing and spraying phase. The equipment mix, dose and spray only the required quantity following the parameters set on the control panel without needs of operator intervention.



3. Automatic system cleaning

At the end of the spraying there is a prepared automatic cleaning process to wash all the components of the equipment. During this work cycle is piped a pressurised water flow inside the components that are touched from the hydrated lime. The automatic cleaning allow to the equipment to be always ready to use , reduce the maintenance costs and lengthens the service life of the equipment.



4. Compacting of the ground through water spraying

The second function that the equipment can do is spraying a huge water quantity to compact the sand layer before the asphalt laying. Here, too, the machine works in complete autonomy following the preset functions on the control panel in the cabin.

Standardized tank IBC 1000l

Lateral Ladder

Technical compartment

Rear Ladder

Nozzles bar

Water Tanks

Hose Reel and filling pump



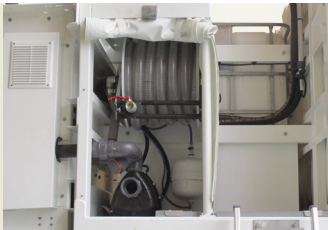
MixSpray MS 10 Advantages



MIXSPRAY mix the solution on demand and directly on the vehicle.

Only the water is stocked inside the tanks and not the pre-mixed solution. Calcium hydroxide can be used with the original packaging therefore it is not necessary transfer it. Only the needed solution volume is produced, reducing at minimum wastes to be disposed.

	MS10	
Water capacity	4x2500	l
Hydrated lime capacity	1000	l
Solution concentration	5 - 20	%
Dosage (lime solution)	100 - 300	g/m²
Spraying speed (lime solution)	20	Km/h
Max dosage (water)	2500	g/m²
Max spraying speed (water)	2.5	Km/h
Hose reel max flow	150	l/min
Empty weight	1800	kg



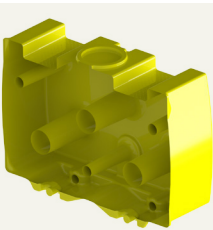
Hose reel and on board filling pump (optional)

The retractable hose reel allow to spray water manually and it house 15 mt of pipe. The filling pump (optional) allow to draw water up to 600 l/ min and 25 m of max pumping height .



Main frame

Welded steel main frame, design to allow the equipment to adapt at every vehicle. Our frame keeps unaltered the elasticity of the carrier vehicle chassis allowing a comfortable and safe driving.



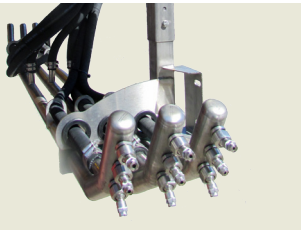
Polyethylene tanks

With 2500 l capacity each, the assembly is provided of visual level indicator and electrical minimum level indicator. These tanks feature a low centre gravity and keep the driving safe thanks to the breakwaters walls inside them.



Technical compartment

The valves, pumps, filters, electrics and electronics components are located in the rear technical compartment to make maintenance operations easier and to better protect them.



The nozzle bars

3 nozzle bar allow an homogeneous application of solution and water. Each bar is equipped with nozzle different in number and flow, for an optimal coverage of the treated surface. The nozzles are adjustable and easy to service when needed.



Ecos

The main feature of the control box are:  
-Material quantity sprayed per m².  
-Quantity of calcium hydroxide per unit of water.  
-Width of treated road surface.  
-Control of the material dosage when the vehicle speed changes (constant dosage). Management of all the working functions.



Ladder

Easy access to all workstation thanks to the prepared ladders behind the technical compartment and on the side to operate on the hose reel or the IBC connections.



Driving system

The equipment works through the carrier vehicle hydraulic and pneumatic system. The interfaces connections between vehicle and equipment are non-spill quick action coupling with protection caps.