

MBS technology

Integrated salt solution injection system
for snow ploughs



Main features

The patented Bucher MBS system is characterized by injection of saline solution into the layer of snow remaining on the asphalt when the snowplough blade passes over it, in order to melt it immediately and prevent it from turning into compacted snow or ice.

The purpose of this innovative and exclusive system is to increase the safety and effectiveness of winter road maintenance by completely removing the snow from the road surface. The injected solution remains on the road surface thus reducing the need for multiple passes. The mechanical injection of solution into the asphalt also ensures that 100% of the solution remains on the road, thus avoiding dispersion into the environment through traffic.



Significant increase in road safety due to complete melting of the slippery snow coating.



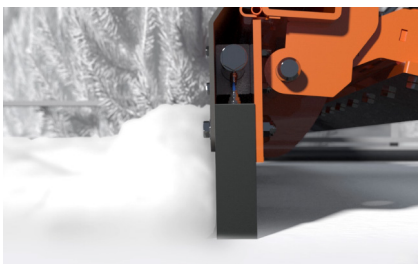
Reduction of up to 30% in the use of salt, resulting in a lower impact on the environment.



Up to 50% reduction in the number of passages with considerable saving of time and money.

First working phase

Installed MBS on a conventional snowplough, the front of the blade removes mechanically most of the snow from the road surface.



Second working phase

The nozzles, incorporated in the central part of the knife, inject the solution into the snow remaining on the surface in order to distribute it with extreme precision at all speeds.



Third working phase

The mechanical pressure of the neoprene blade compresses the solution in the remaining layer accelerating the chemical melting process and leaving the surface clean and already treated with antifreeze protection.



Find out more by scanning the Qr code or visiting our website

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