Modern machinery for universal spreading applications

Binding agent spreaders
Streumaster spreading equipment: Perfect application of binding agents

High application rate and maximum spreading precision

Spreading large quantities of binding agents while adhering to the specified accuracy at the same time is of paramount importance in both soil stabilization and cold recycling. The sophisticated binding agent spreaders from Streumaster meet these requirements with superior ease. In addition, our comprehensive product portfolio takes due account of both different performance requirements and the availability of tractor vehicles.

The binding agent spreaders from Streumaster are therefore on offer in various model designs: as attachment units, trailers, built-up units for mounting on a carrier vehicle, or self-propelled spreading machines. And what’s more: Combining Streumaster binding agent spreaders with the tried and tested Wirtgen stabilizers and recyclers offers a complete solution for soil stabilization and cold recycling.
Binding agent spreaders from Streumaster are ideally suited to the pre-spreading of all powdered binding agents, such as lime or cement.

An electronic control system enables the specified spreading quantity to be applied with maximum precision, irrespective of the spreader’s travel speed.

The innovative SW 19 SC binding agent spreader, which has been newly developed from the ground up, is our response to the challenges that tomorrow will bring.

Our customers additionally benefit from Wirtgen’s global market presence, which includes high-level after-sales service.
The simple, robust binding agent spreaders of the TA series

Economical operation comes as a standard feature

Binding agent spreaders of the TA series are the ideal candidates for those projects in soil stabilization which require high-performance spreading of binding agents on a large scale. They offer high spreading capacity, ease of operation, tremendous robustness and low maintenance and servicing requirements, and are available as sturdy single-axle or tandem-axle trailers. Numerous options to connect them to the towing device, service brake and various drive systems enable the spreaders to be combined with all types of tractor vehicles. In the final analysis, the TA spreaders are reliable, powerful machines with all the advantages offered by a practical, durable design.
Various functions of the binding agent spreader can be controlled, and important operation parameters indicated via the remote control unit.

The spreading quantity of the powerful, hydraulically driven spreading screw can be continuously and conveniently adjusted by hand.

The working width of the spreading screw can be simply reduced to half the full width by means of a removable sheet metal plate.

Spreaders of the TA model series equipped with the “RotoPlus” option are, within certain limits, also suitable for applying free-flowing binding agents with high accuracy.
The compact SW 3 FC attachment spreader

Mounted in no time at all

The smallest spreader in the Streumaster range offers big help where space limitations prevent the use of large machines. The SW 3 FC front-mounted spreader is a role model of flexibility and efficiency when combined with the WS tractor-towed stabilizers from Wirtgen. The standardized three-point hitch enables the unit to be attached to all common tractor types. In addition, the use of metering feeders of the C series guarantees maximum spreading accuracy. The spreading unit is driven via the tractor’s hydraulic system and can be conveniently controlled from the driver’s cab via a remote control unit. Useful features, such as filling level indicator or automated control of the spreading quantity in accordance with the travel speed, ideally complement the small SW 3 FC’s performance and operator comfort.
Electronically controlled application of binding agents

The single-axle and tandem-axle trailers of the TC series are the prime choice for all projects requiring maximum spreading precision. Streumaster has equipped these machines with automatic, volumetric spreading quantity control and self-cleaning metering feeders. This winning combination always guarantees the precise application and distribution of the spreading agents irrespective of the travel speed. Extremely small deviations from the quantities specified in both longitudinal and transverse direction thus make perfect soil stabilization and cold recycling an easy job, indeed.

And what’s equally important: The operator can intervene in the process whenever necessary via the control terminal of the on-board computer system.

The high-precision binding agent spreaders of the TC series
The mobile binding agent spreaders of the MC series

Transported quickly from one job location to the next

Binding agent spreaders of the MC series are an equally perfect choice when it comes to guaranteeing impressive spreading performance in the fields of soil stabilization and cold recycling. Their technical features and excellent spreading results fully correspond to those of the high-quality TC model series.

The binding agent spreaders of the MC series have not been designed as towed models, however, but as mobile built-up units for different types of carrier vehicles. In addition to trucks, the range of suitable carrier vehicles includes dumpers, track-mounted vehicles, special trucks, and many more.
An advantage of the built-up units over the towed binding agent spreaders is direct transport from one construction site to the next.

The tow hitch (optional) of the MC series additionally permits easy transport of other construction machines.

The SW 16 MC mounted on a 3-axle truck

The MC model series offers standard containers of 10 m³ or 16.5 m³ capacity.

The dimensions of the built-up containers can be individually adapted to the chassis of multi-axle carrier vehicles.
The self-propelled SW 19 SC binding agent spreader

High-end binding agent spreader of the latest generation

The most high-powered machine in the range of Streumaster binding agent spreaders, the SW 19 SC, comprises the 3-axle “Rhino” carrier vehicle plus matching binding agent container. Over and above the familiar advantages of the TC and MC model series, the self-propelled machine offers additional efficiency: all-wheel drive, hydraulic suspension, multiple combination options of the pneumatically operated differential locks and perfect weight distribution ensure maximum traction even on difficult ground. In addition, the state-of-the-art manual gearbox offers both the convenience of automatic transmission during road travel and high-precision speed control enabling the spreader to discharge even large spreading quantities in a continuous process.
Materials finished to excellent workmanship and a heavy-duty machine frame make the SW 19 SC the ideal choice for jobs involving high loads.

Heating and air-conditioning, as well as an air-sprung, adjustable driver's seat are included in the convenience features of the “Rhino” cabin.

The cabin offers a large angle of tilt, which permits convenient access to the various components to facilitate cleaning and maintenance procedures.

The powerful CUMMINS 6-cylinder diesel engine has been fully tailored to all intended applications of the SW 19 SC.
Top-performing metering feeders with exceptional spreading accuracy

Two models are offered

The patented, self-cleaning metering feeder type “Evolution” in detail

Consistent spreading quantities regardless of the travel speed

The self-cleaning metering feeders for use with the Streumaster TC, MC and SC spreader series merit special praise. Customers can choose between the tried and tested “Evolution” feeder and the new “Evoquant” model which has been designed for top performance. With both models, the individual rubber cells of the revolving rotor cores deform in the housing that is of not quite circular shape. This innovative technology prevents material build-ups at the walls of the rubber cells and any related adverse effects on the spreading accuracy. It also dispenses with the tiresome and time-consuming cleaning required with conventional rotary feeders.
The state-of-the-art spreading unit is equipped with three internal hydraulic drive motors.

Computer-controlled transverse augers are installed upstream of the metering feeders to distribute the binding agent evenly across the full working width.

Modular design enables all models of the TC, MC and SC spreader series to be retrofitted with the performance-optimized “Evoquant” metering feeder.

The “Evoquant” impresses with up to 40% higher spreading performance than the tried and tested “Evolution” metering feeder.
High-tech for high spreading precision

Technology designed for top performance

The control terminal provides comprehensive information on the work process.

This is where all the wires are pulled: the clearly structured electrical cabinet.

Intelligent, proprietary control system

The binding agent spreaders of the TC, MC and SC model series excel in spreading accuracy, which is guaranteed by the proprietary Streumaster control electronics. The intelligent system interlinks the conveyor chain, transverse augers, metering feeders and control terminal to produce high spreading accuracy independent of the travel speed. State-of-the-art tools are also used to ensure slip-free detection of the travel speed in the spreaders of the SC and MC model series: the ground is scanned by a radar system.
The operator has full control of the entire spreading process via the control terminal.

The control terminal shows significant operation parameters, such as area completed, process time or quantity applied, in great detail.

Electric load cells enable the current container filling level to be indicated on the control terminal.

Customers can choose from a wide variety of options to customize the Streumaster binding agent spreaders in accordance with specific requirements.
Innovative software guarantees perfect spreading results

WeighTronic – your best co-worker

With the development of the new WeighTronic spreading software (option), Streumaster has succeeded in revolutionizing automated spreading quantity control. In contrast to the standard software, WeighTronic integrates the evaluated details received from the electronic weighing device directly into the control process: In pre-determined, brief time intervals, the PLC checks the ratio between the binding agent quantities applied and the area processed. The actual spreading quantity thus determined is compared with the set spreading quantity and is readjusted as and when required – in a flash and while the spreader continues moving forward. In the final analysis, the sophisticated spreading quantity control system optimizes the consumption of binding agents and ensures maximum cost efficiency.
The WeighTronic spreading software, an in-house development, corrects any errors in the spreading quantity automatically and with maximum precision.

It compensates for varying bulk densities of one and the same type of binding agent, different flow properties, as well as various operator and measurement errors.

Path detection is normally effected by non-contact scanning using radar, or via a wheel sensor or sensor fitted to the cardan shaft when travelling on extremely smooth ground.

Previously delivered machines can be easily retrofitted with this system – as with many of our other equipment options.
Equipment designed for top performance – a class of its own

Clever ideas ensure top performance

Perfection in the minutest detail is needed to ensure proper function of the whole. This principle is reflected in the highly practical equipment features of the Streumaster spreaders. The heavy-duty container with internal reinforcement, for example, is capable of reliably withstanding any loads. Numerous inspection ports simplify maintenance procedures, and ample storage space has been provided for tools or job site equipment. What is more, a pressure relief flap is integrated into the venting unit of the binding agent container, which can additionally be fitted with a filter bag during the filling process.
The visual filling level indicator informs the operator of low container filling levels, thus giving him time to respond early before the container is completely empty.

The spreading unit is equipped with a special plastic dust protection cloth.

The different hydraulic valves have been grouped together in a valve block for easy servicing.
Intelligent extras for field operation

High levels of comfort, reliable operation

Our practice-oriented way of thinking has a significant influence on the engineering process. A prime example of this is the state-of-the-art lighting system designed by Streumaster engineers. Extremely powerful LED working spotlights enable the binding agent spreaders to put up an equally compelling performance during the night and in broad daylight. The spotlights illuminate not only the working area at the rear, however, but also the area at the side of the machine, thus creating optimal working conditions. What’s more: a camera installed at the rear enables convenient monitoring of the area behind the machine on the screen of the control terminal.
The innovative filter system features high-quality filter cartridges as well as excellent accessibility for maintenance.

The filter system is cleaned automatically in 20-second intervals to ensure low-dust operation.

The reversing camera including high-resolution screen offers a perfect view of the rear working area.

A separate printer enables the parameters of any job to be printed conveniently right on the construction site.
Broad range of applications and always economical

Our broad product portfolio caters to all needs

Binding agent spreaders from Streumaster are used on construction sites around the world for spreading powdered binding agents in soil stabilization and cold recycling projects. Whatever the size of the area to be processed, the prevailing ground conditions or the specified spreading accuracy – we offer the perfect solution for any application in terms of performance and efficiency. Each single machine masters any job it is given with superior ease. This is confirmed every day by countless delighted customers around the globe.
All models are suitable for use in soil stabilization, while the computer-controlled spreaders of the TC, MC and SC series are particularly suitable for cold recycling applications.

Ease of transport allows the spreaders to complete several jobs on different construction sites in the course of one working day.

Based in our many subsidiary companies around the globe, experienced service technicians ensure the operational availability of the binding agent spreaders on a daily basis.

Our comprehensive delivery range impressively caters to any and all requirements our customers may have.