



A company of the Aebi Schmidt Group

Product Range

for UNIMOG



UNIMOG and Schmidt - Two strong partners for versatile and unique product solutions.

Whether it is de-icing or snow clearance, preventive or curative operations, in the municipal or the urban area: Anyone who is looking for reliable winter maintenance technology should not make any compromises with the application possibilities or the technical standards - the close cooperation between UNIMOG and Schmidt guarantees an equally unique and versatile product range for any requirement!

The cooperative structures between UNIMOG and Schmidt developed over five decades ensure the smooth coordination of ideas, planning and technical implementation, which also has an effect on the cost factor: in the aggregate, this means to our customers first-rate quality at a favourable price. And, of course, this means that your investment will pay off over many years of application.

UNIMOG: A vehicle concept that meets with worldwide enthusiasm - and has perfectly suited our demands for more than 50 years.

The close cooperation between UNIMOG and Schmidt dates back to 1950. Back then, we started to adapt the product concept in the field of snow ploughs: by now, we have expanded our range specifically adapted to UNIMOG to cover our entire winter maintenance technology.

Being a universally applicable and extremely flexible implement carrier, UNIMOG, which is always innovative and sets new standards on an ongoing basis, is perfectly suitable for many of our products - both for the winter and the summer service, Schmidt offers a multitude of attachments and built-on variants specifically adapted to UNIMOG, whose wide application range is among other things owed to the vehicle's excellent load distribution. An innovative auxiliary rear axle steering ensures a high degree of manoeuvrability within the smallest of spaces at all events.

Schmidt: Being the global leading supplier of municipal technology, we combine efficiency, service and foresight.

Being one of the innovators in the field of first-class winter maintenance technology, we offer products that are considered as standards and shining examples in the sector. We are combining the increasing requirements on environmental protection with economic efficiency - a good example for this is the preventive, salt-saving and thus cost-reducing brine spraying.

Also in terms of maximum application efficiency, there is great demand in a combination of ploughing and spreading in one single operation: We have met this demand in the form of easy-to-mount exchangeable attachments specifically adapted to UNIMOG - by the way, a product concept that also allows for the combination with our summer sweepers and thus pays off throughout all seasons. Needless to say, user friendly and convenient equipment is fitted as standard in all machines.

UNIMOG and Schmidt - A global competence partnership that offers a high degree of planning security for both private and public investors!

Owing to the effective cooperation of the two companies, not only the UNIMOG vehicles and the Schmidt machines but also the respective sales and organisational structures are perfectly adapted to each other. "Everything from one source" means: everything perfectly synchronised - and everything under control. Both UNIMOG and Schmidt are represented throughout the world, so that prompt and efficient customer service is guaranteed. More than half of our currently 70 foreign agencies in Europe, Asia, South America and South Africa are also UNIMOG agencies. In many countries, UNIMOG is represented with its own general agencies, which we in turn use for our retail business - whether you are looking for direct contact or refer to one of the companies at your individual location: UNIMOG and Schmidt are at your disposal at any time. Do not hesitate to ask us about individually tailored financing options, too!



WINTER MAINTENANCE TECHNOLOGY

SNOW PLOUGHS

Just push your white problem aside: using the high-quality snow ploughs by Schmidt!

The advanced plough systems by Schmidt are being used on many streets, roads and motorways worldwide. Our numerous snow plough variants are mature and field-tested products, designed to cope with any possible snow situation. In addition to their huge clearing capacity, our snow ploughs are characterised by a high degree of operational convenience and little wear.

Ensuring mobility at snowfall is an important task of municipalities and service providers. This challenge can be complied with easily, efficiently, safely and above all economically using the Schmidt snow ploughs.

Single-blade snow plough SNK 30

The lightweight SNK 30 snow plough equipped with a self-supporting single polymer blade is specifically designed to clear minor amounts of snow at lower altitudes. Wet and slushy snow is no problem for the easy-to-operate and compact SNK 30. The specially shaped polymer blade mounted in a diagonally braced plough frame collects the snow completely and unloads it in neat snow walls along the roadside. The upper edge of the blade is extended far to the front, preventing the slush from being ejected over the upper edge of the plough.

Single-blade snow plough CP 3

The CP 3 is a constant-position snow plough suitable for trouble-free and at the same time aggressive clearance of any type of snow in urban and municipal areas as well as on country roads.



The stable, torsion-resistant box construction and the high restoring force of its cutting edge with the butterfly valves enable trouble-free negotiation of obstacles without damaging the plough blade or changing the clearing position.

Multi-blade snow plough Cirron

Designed for snow clearance at medium altitudes, the Cirron series is extremely reliable even in challenging conditions. In addition, the automatic deviation system makes sure that the plough blade is not damaged by surface obstacles. Depending on the length of the cutting edge, the Cirron is subdivided into three, four or five blade sections.

Multi-blade snow plough Tarron

Aggressive snow clearance at higher altitudes is the strong point of the Tarron series. With a blade angle of 25° and the automatic deviation system, the multi-blade Tarron snow ploughs fulfil all requirements even in difficult snow conditions. Hard-packed or icy snow is no problem for the Tarron snow plough mounted on the UNIMOG.

Multi-blade snow plough Tarron Compact

With the multi-blade Tarron Compact, Schmidt has introduced a snow plough that shines with its outstanding clearing performance especially when it comes to removing larger amounts of snow from roadways, parking lots, industrial areas or private property. The spring-loaded individual blades permit very aggressive snow removal: even hard-packed or icy snow is not a problem. The independent blade suspension enables each blade section to flexibly adapt to uneven surfaces. Combined with the optimum geometry of blade and cutting edge, this ensures a very clean snow-clearing performance with excellent results.

Swivelling-arm snow ploughs PV 3 and PV 4

The swivelling-arm snow ploughs of the PV 3 and PV 4 series are ideally suited to use on country, district and state roads. The low-maintenance, robust PV plough can be used with any type of snow and on any type of road for clearing right down to the black or for leaving a specific amount of white. The ploughs come with either three or four blades and with an adjustable swivelling stop of 30°-36°. The swivelling arm and the adjustable turning part allow for a very accurate adjustment to any road surface.

Variable snow plough KL-V 32

As a variable wedge snow plough, the KL-V 32 has been designed to manage a wide range of clearing tasks. It is capable of clearing in wedge, V-shaped and one-sided position and thus exactly adapts to the respective situation. The minimum passage width, the short vehicle front and a favourable centroidal distance make the KL-V 32 an all-round talent, especially in inner-city areas.



Cirron



Tarron

ROTATING SNOW CLEARANCE

For the smooth clearance of large amounts of snow

The rotating snow clearing machines by Schmidt have been designed for clearing large amounts of snow in difficult snow conditions as well as the efficient removal of snow walls along roadsides. Make your choice between snow blowers, snow cutters and snow cutter blowers.

Attachable snow blower S 3.1

Clearing walls of snow is easily done using the S 3.1 attachable snow blower. Its feed plough ensures a neat clearing pattern and its pre-cutting propeller breaks up even hard-packed snow. The S 3.1 can be operated as an independent snow blower; with a capacity of 1,300 t/h, it can also be perfectly used to load trucks.

Attachable lateral snow blower HS 5

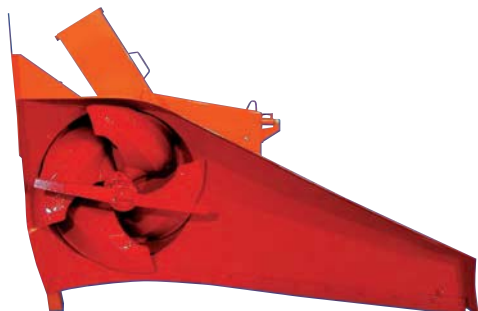
The HS 5 attachable snow blower has been specifically developed for clearing walls of snow along roadsides both in and out of town. It employs the field-tested cavity blower system and even copes with large amounts of snow at large ejection distances. It is powered by a special chain transmission. The feed plough, referred to as collector plough, conveys the snow to the four-blade blower wheel. With its elongated points, it achieves a consistent clearing result even at low levels of snow.

Attachable snow cutter SF 3-Z

The SF 3-Z has been designed to clear hard-packed and icy walls of snow. It can be used in the inner-city area, on bridges or along noise barrier walls, where free ejection of snow is not possible. Using the attachable snow cutter with the UNIMOG, the snow is thrust onto the loading platform of the truck via a loading chute. The snow cutter and the truck are synchronised by a thrust mechanism.

Attachable snow cutter VF-Z 1

The VF-Z 1 is perfectly suitable for frontal snow clearance and the removal of snow walls along roadsides. Its clearing head has been developed for high-capacity clearing. The cutting drum, which is secured against damage through easily accessible shear pins, is 1,000 mm in diameter. As a result, it is capable of clearing up to 1,300 tons of snow per hour.



Attachable lateral snow blower HS 5



Attachable snow cutter SF 3-Z



Attachable snow cutter blower FS 75

The FS 75 is suitable for frontal snow clearance and the removal of snow walls along roadsides. It is capable of clearing up to 800 tons of snow per hour. The special serrated cutting drum crushes even icy snow.

Attachable snow cutter blower FS 90

The FS 90 is available in two widths. With a clearing width of 2,650 mm, it is suitable for all clearing tasks both in and out of town. The variant of 2,400 mm width brings its advantages to bear especially in narrow streets and inner-city areas. The special feature of the FS 90, which is capable of clearing up to 1,200 tons of snow per hour, is its sturdy design.

Attachable snow cutter blower FS 105

The cutting drum of the FS 105 has a diameter of 1,050 mm. As a result, it is capable of clearing up to 1,600 tons of snow per hour - aside or onto the truck. The extremely sturdy FS 105 is available in two widths. Due to its serrated cutting drum, the FS efficiently clears even hard-packed and icy snow both when it comes to frontal snow clearance and the removal of snow walls along roadsides.



Attachable snow cutter blower FS



WINTER MAINTENANCE TECHNOLOGY

DE-MOUNTABLE SPREADERS

You can choose between several Stratos series - and between various control and drive options.

You are looking for a tailor-made de-mountable spreader? The modular design of our Stratos series enables you to create unique configurations tailored to your individual tasks and carrier vehicles - which always pay off.

**Ensure optimum spreading results in any situation:
We offer the options for your tailor-made control unit.**

Our innovative silo spreaders are particularly characterised by electronic control units, enabling extremely precise dosage and distribution of the gritting material: Nowadays, de-icing can hardly be more efficient.

The exact adaptation to the respective situation takes place via one of the control systems CX or CL: The driver is able to control all functions, e.g. spreading density, spreading pattern and lateral distribution, directly from the driver's cab and thus immediately respond to any changes in the road surface conditions.

Depending on the equipment variant, routes can also be planned in advance - including individual spreading patterns and comparison of data with the central spreading data management.

De-mountable spreaders Stratos B/S

With its precise way of working and state-of-the-art technical standard, the Stratos series fulfils all requirements on professional de-icing operations: high degree of spreading accuracy and user friendliness combined with reliable gritting material conveyor system and excellent wet salt mixing.

The UNIMOG can be equipped with various hoppers ranging from 1.5 m³ to 3.5 m³ capacity. Electronically controlled conveyor belt or auger dosage systems allow for a high degree of dosage precision as well as accurate lateral distribution. Stainless steel elements, powder coating and high-quality plastics additionally guarantee a lasting corrosion protection.

De-mountable spreaders Stratos F

The Stratos F has been developed for de-icing operations in challenging environments. It is characterised by a high degree of dosage precision and individually adjustable spreading patterns. Depending on the weather conditions, dry or pre-wetted salt can be used. The extremely low design of the flat silo hopper provides the driver a high level of traffic safety through free rear view. At the same time, a low centre of gravity is reached,

enabling the UNIMOG-spreader combination to manoeuvre even on difficult roads. The Stratos F is available with hopper sizes ranging from 1.2 m³ to 4.4 m³.

De-mountable spreaders Stratos D

The dual-chamber de-mountable spreader of the Stratos D series offers you the possibility of applying thawing, abrasive or mixed de-icing materials from two separate chambers in exact doses in one single operation. The two chambers with independently controlled auger dosage systems allow for spreading different de-icing materials simultaneously, in changing mixing ratios or separately. The hopper sizes range from 1.2 m³ to 3.5 m³.

De-mountable spreaders Syntos

The Syntos is the world's first pre-wetted salt spreader made of plastic in the professional segment. The resilient Syntos is an excellent, high-quality product that is every bit as robust as its metal counterparts. Just like our other spreader models, the Syntos possesses very high dosing accuracy and delivers an even spreading pattern. The Syntos is based on our time-tested Stratos II components, but stands out with its improved geometry that creates a lower centre of gravity. This is supplemented by a liquid tank integrated into the hopper to permit very even distribution.

Demountable sprayers CSP

The Schmidt CSP, which has been designed for both preventive and curative operation, exists in different sizes and with individual equipment options. The UNIMOG can be equipped with various tank configurations ranging from 2,000 l to 4000 l capacity. The very even application of the spraying liquid is achieved by means of a spraying bar mounted on the rear of the sprayer. Depending on the desired dosage and driving speed, the machine can be equipped with a single or a double spraying row.

Our new CX/CL Comfort system: The wireless control connection between the UNIMOG cab and the spreader

These new wireless control units provide you more operational convenience and economic efficiency: Since the conventional wiring between the UNIMOG cab and the spreader is no longer required, mounting and demounting becomes easier, the readiness for duty is increased and the repair costs caused by overlooking cables are saved.

The CX/CL Comfort package consists of two wireless modules - one on the spreader and the other in the driver's cab. The two modules communicate with each other wirelessly by radio: Once the two modules are synchronised with each other, they form an integral unit so that crosstalks between various spreaders are prevented.



Stratos B/S



CSP

ATTACHABLE SWEEPERS

Ideal for removing course dirt - even in winter!

Due to its design, the VKS is not only suitable for cleaning operations in summer but can also be used in winter service: With its special snow brush, it can clean lightly snow-covered areas. Whether the VKS is sweeping to the left, right or front is infinitely adjustable.

The attachable sweeper is constructed with an open front and without a dirt collection box, so that the machine's capacity with its brush roller length of 2,100 mm to 2,600 mm can be fully utilised - at the same time, the spraying unit ensures dust-free sweeping with its water jets. The amount of water needed can be supplied from a tank located directly on the VKS or pumped from an external water tank located on the vehicle.

The robustly built VKS can clean large areas and even remove coarse dirt easily and quickly, with its high-quality bristles made of polypropylene or crimped wire. A liftable dirt collection flap, with an extra dirt collection cloth, prevents the unintentional slinging away of course debris, even at high performance levels.

The hydraulic motor for the cross brush operation is located in the hollow brush supporting frame, i.e. inside the cross brush: A design that avoids inconvenient protruding parts, which is particularly beneficial when sweeping along walls, for example.

In all attachable sweepers of the VKS series, special castor wheels guarantee the correct, individual amount of brush contact pressure applied. The sweepers are powered either by the PTO shaft or the vehicle hydraulics.

Attachable sweeper VKS 24/26

With its various brushes, the robust VKS 24/26 attachable sweeper is perfectly suitable for removing course dirt in summer; however, it can also be used for snow removal. The VKS 24/26 is available with PTO shaft or hydraulic drive. It can be mounted both on the front and the rear.

Attachable sweeper VKS 4

The brush of the VKS 4 attachable sweeper has a diameter of 800 mm. For this reason, the VKS 4 is a typical building site machine, designed to remove course dirt. The sweeping width of 1,900 mm at an angle of 26° additionally allows for cleaning large areas. The VKS 4 attachable sweeper is driven by the PTO shaft or hydraulically.





DE-MOUNTABLE SWEEPERS

SK 350, SK 370, SK 501 and SK 502: The de-mountable sweepers with outstanding system efficiency for UNIMOG.

Our de-mountable sweepers of the SK series exclusively designed to be mounted on UNIMOG U 400 and U 500 are suitable for cleaning inner-city surfaces and residential streets as well as industrial areas. Owing to their well-thought-out product concept, they can be rapidly mounted and demounted; the high-performance hydraulic system of the UNIMOG makes an additional auxiliary engine redundant.

The SK series features an integrated water tank and an automatic folding leaf screen. The rear hatch can be hydraulically opened and closed.

SK 350

With its hopper capacity of 3.0 m³, the SK 350 de-mountable sweeper is ideal for use in small municipalities, on inner-city surfaces as well as in commercial areas. It additionally features a water tank capacity of 1,000 l.

SK 370

As a road sweeper with a hopper capacity of 5.0 m³ and a water tank capacity of 1,000 l, the SK 370 de-mountable sweeper is suitable for cleaning inner-city surfaces as well as commercial and industrial areas.

SK 501

The hopper of the SK 501 has a capacity of 4.0 m³ and its water tank 1,000 l. It is thus suitable for cleaning all streets and squares in the municipal area.

SK 502

A hopper capacity of 5.0 m³ and a water tank capacity of 1,000 l make the SK 502 an efficient sweeper, which is also suitable for longer operations in all urban and municipal traffic areas.

Aebi Schmidt International AG

Thurgauerstrasse 40, Airgate
CH - 8050 Zürich
Phone: +41 44 308 58 00
Fax: +41 44 308 58 99
Internet: www.aebi-schmidt-international.com

Aebi Schmidt UK Limited

Southgate Way, Orton Southgate
Peterborough, PE2 6GP
Phone: +44 1733 363 300
Fax: +44 1733 363 399
Internet: www.aebi-schmidt.co.uk

www.aebi-schmidt.at
www.aebi-schmidt.de
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