

GET THROUGH THE WINTER SAFELY AND PRECISELY RAUCH WINTER SPREADERS







MAXIMUM EFFICIENCY WITH OPTIMAL PRECISION –

WINTER SPREADERS FROM RAUCH

▶ Solutions that pay off

To ensure traffic safety, efficient solutions with maximum precision are required. This is the only way to reduce spreading costs and protect the environment. Solutions that prevent losses and guarantee an even and full spreading distribution are in demand. Solutions that are perfectly tailored to the requirements of the relevant deployment conditions.

Solutions that are perfect down to the last detail. Solutions – from RAUCH.

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SAFETY WITH PRECISION -

OUR WINTER SERVICE PROGRAMME FOR SUCCESS

BENEFIT FROM...

... precise spread patterns

Precise spread patterns with spreading edges that drop off steeply – even at high driving speeds and application rates.

... unique efficiency and environmental friendliness

The speed-independent, electronic metering of spreading materials increases economic efficiency and protects the environment.

... perfect operating comfort and unique processing

The simple, logical operation and high stainless steel content makes handling comfortable and safe, even in harsh winter conditions.



TAXON 25.1	
CAPACITY	1,500 l
SPREADING WIDTH	2 – 8 m



AXEO 2.1/6.1/18.1	
CAPACITY	250 - 1,500 l
SPREADING WIDTH	1 – 8 m



Whether the job is large or small, with our RAUCH winter service family you are equipped for all tasks. And with spread patterns of peerless precision. This means a uniquely economical performance, which is becoming ever more important in times of tightening budgets.



K51

CAPACITY 55 I

SPREADING WIDTH 0.5 – 5 m







SA	121	/250	/360
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 CAPACITY
 120 - 360 l

 SPREADING WIDTH
 0.8 - 6 m

UKS	3 10	00/	120

 CAPACITY
 200 - 350 I

 SPREADING WIDTH
 1.0- 1.2 m

JRAUCH TAXO

via tractor hydraulic

AN IDEA TAKEN TO THE NEXT LEVEL

CONTAINER VOLUME 1,500 I, MAX. PAYLOAD 2,500 kg

STEEL TANK WITH SUPREME PAINT C5-M

> **ROTATING BEACON** optional

ECO HYDRAULIC BLOCK with high efficiency

> **SCREW DRIVE** closed, maintenance-free

- Manufacture certified according to ISO 9001
- Salt spreading quantity: $5 - 40 \text{ g/m}^2 \text{ grit } 10 - 250 \text{ g/m}^2$
- > Hydraulic drive via tractor hydraulics (min. 40 l/min at 200 bar)
- Tractor attachment: 3-point Cat II and III

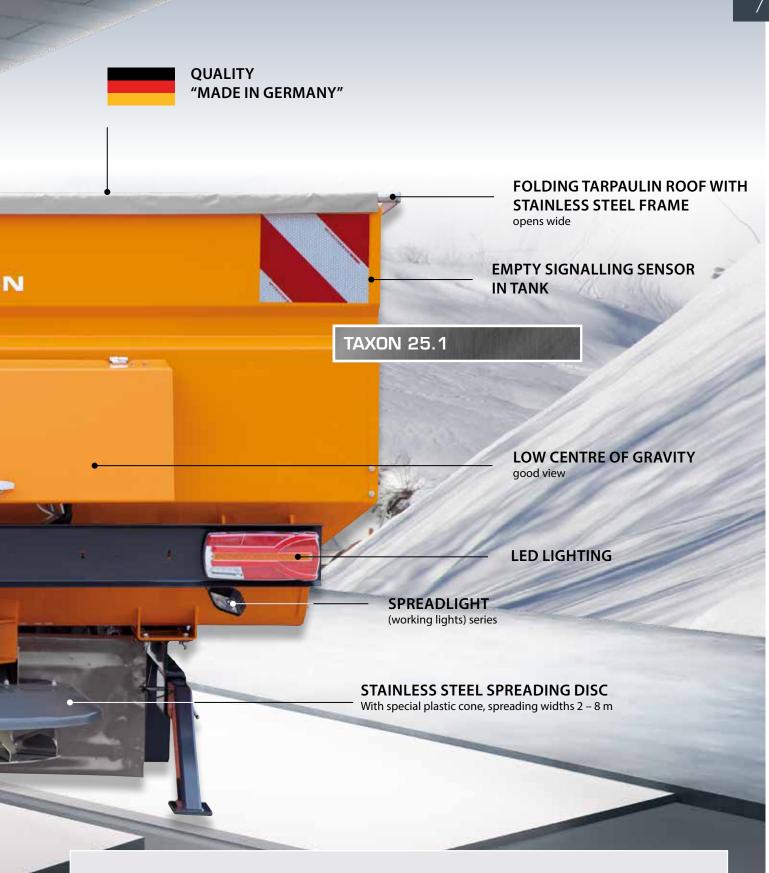
REMOVABLE PARKING FEET

Series

VARISPREAD

asymmetric spread pattern adjustment manually adjustable, optional remote control

STAINLESS STEEL **SLIDING PLATE**



A new dimension of winter spreading performance will become accessible to you with the TAXON, because it combines comfortable handling with absolute efficiency: whether you are spreading salt, grit or sand the new screw conveyor system replaces standard agitators and ensures even, clean container emptying. Combined with the intuitive EcoTron precision control, we have increased efficiency to a completely new level.

BENEFIT FROM...

- ... the highest distribution precision and spreading quality due to the precision metering via the screw
- ... distribution precision dependent on driving speed
- ... **hydraulic drive** via tractor hydraulic
- ... electronic spread pattern adjustment VariSpread with EcoTron plus
- ... long service life and low maintenance costs

TAXON

SPREADING WIDTH

2 – 8 m

PAYLOAD

2,500 kg

THE HIGHEST LEVEL OF EFFI-CIENCY THANKS TO ECOTRON

- Quick adjustment of the application rate and working width
- Material flow automatically stopped when vehicle stops.

High-resolution colour display

VariSpread:

HAUCH TAXON

display of spread pattern asymmetry

Interface: RS232 for connection to fleet telemetry box for GPS documentation (only EcoTron plus)

Simple: start/stop spreading

SpreadLight on/off

Intuitive:

menu-guided operation

Ergonomic:

rotary knob for metering quantity adjustment

Rotary knob for working width adjustment



NEW PATHS TOWARDS EFFICIENCY

RAUCH spreading systems combine efficiency with safety and, with their special conveyor screw, provide reliable components for everyday practical use.

Our screw conveyor system is based on a screw with a 2-stage gradient. Even metering is ensured with a metering basket, the exact precision of which is ensured through a closed loop system. Constant variance analyses regulate the system with a precise and constant speed. Due to the even, constant feeding, a high metering precision is achieved regardless of the moisture content of the spreading material.

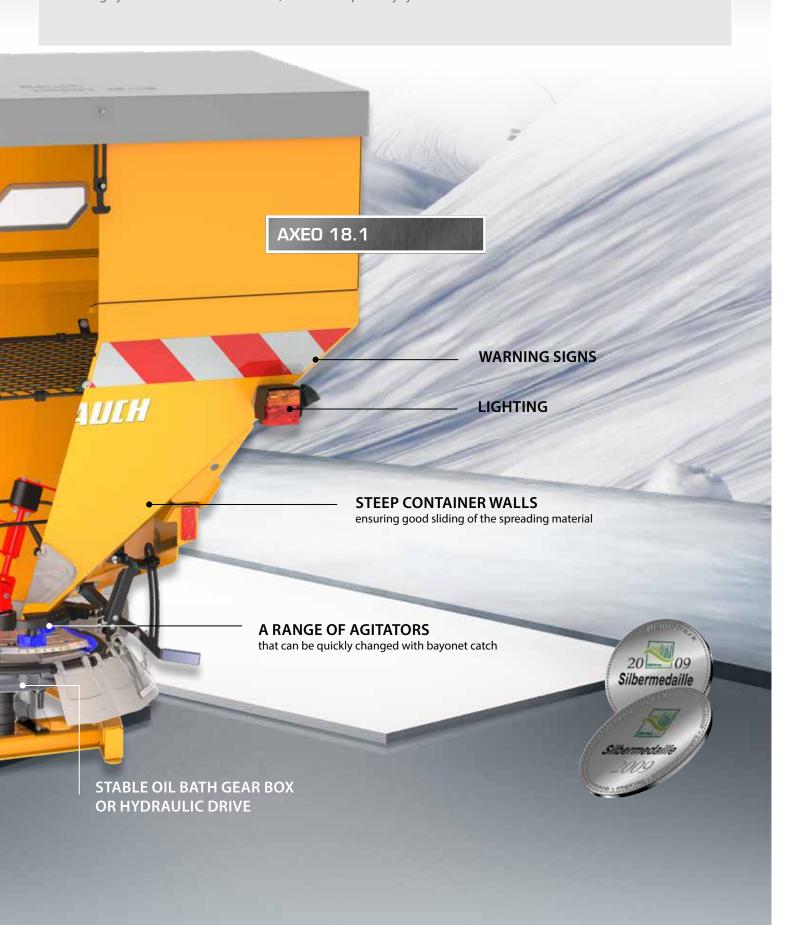
For the drive of the screw conveyor system a hydraulic motor with gears has been installed, the high torque of which ensures safe and stable startup.

SCREW FEATURES

- High metering accuracy
- ► Constant variance analyses
- ► Hydraulic motor with high torque ensuring safe and stable start-up
- For finely trickling salt, an optional worm with brushes can be installed to prevent the spreading material from trickling out.



Whether you are working in a snowy or mild winter environment, spreading on roads, squares or footpaths, using grit or salt as a spreading material: the AXEO is our answer to your requirements for a professional spreader. A family of products that all integrate decisive details such as precise distribution systems, intelligent control technologies as well as highly effective corrosion resistance, and that are perfectly synchronised with each other.



EQUIPPED FOR EVERY USE -

OUR AXEO FAMILY



Efficiency in the smallest space

AXEO 2.1

SPREADING WIDTH 1 – 8 m PAYLOAD 800 kg



The endurance runner

AXEO 6.1

SPREADING WIDTH	1 – 8 m
PAYLOAD	1,000 kg

Choose your individual drive





• drive shaft as standard for 540 rpm PTO shaft

MECHANICAL

- disc speed via flow control valve as standard
- 100 m³ oil engine for AXEO 2.1 and 6.1 oil power required: min. 20 l – max. 40 l
- 100 m³ oil engine for the AXEO 18.1 oil power required: min. 45 l – max. 65 l



HYDROCONTROL

• precise, remote controlled setting of the disc speed with QUANTRON-K2

BRILLIANT: If the tractor is stopped or started, the spreading disc is automatically deactivated or activated by the agitator.



AXEO 18.1

SPREADING WIDTH 1 – 8 m

PAYLOAD

1,800 kg

BENEFIT FROM...

- ... outstanding metering and distribution precision
- ... **greater safety of use** thanks to effective agitators and steep container walls
- ... comfort and environmental protection combined with the QUANTRON-K2 spreading computer
- ... increased performance due to high payload for a longer spreading distance
- ... a long service life due to double powder coating and high stainless steel content
- ... flexible working widths
- ... high level of operational safety
- ... GPS spreading data logging

AVAILABLE WITH THE QUANTRON-K2

Perfect in combination

QUANTRON-K2 is the electronic spreading volume metering system for the entire AXEO family. Intelligent technology ensures increased efficiency, comfort and convenience. Using the driving speed of the tractor machine, the QUANTRON-K2 spreading computer automatically regulates the correct spreading volume.

The metering slide is opened and closed conveniently at the touch of a button. When the tractor stops, QUANTRON-K2 automatically closes it. Also, all electronic components have been tested for daily application under tough conditions with salt, splash and cleaning water.

- Remote control of the spreading width limiter for different working areas (option)
- Rapid adjustment of spreading volume
- Display of possible spreading routes as well as current volume of spreading material in the container
- Documentation of 200 jobs including volume applied and routes spread
- GPS spreading data logging



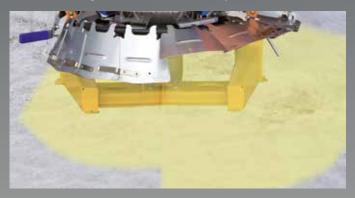
QUANTRON-K2



E-CLICK metering



CDA adjustment centre



Separate spreading width limiter left and right adjustable

OUR AXEO FAMILY-

SIMPLY PRECISE

Our AXEO winter spreader provides for safe, convenient and economical work in every performance class. In accordance with your requirements, desires and budget, we offer you numerous options: size, drive, metering technology and digital equipment – we find the right solution for you that is designed for maximum efficiency with minimal costs. With the unique CDA spreading technology, our AXEO delivers a spreading pattern of extraordinary quality. The high area output, comfortable operation and handling also ensure particular efficiency.

AXEO 2.1 AND AXEO 6.1

Convenient to operate and high-performance

With AXEO, we provide you with winter service machines that make your work easier and more efficient. Thanks to sophisticated control technology, the driver can comfortably control all functions from the driver's cab. One small turn at the CDA settings centre is enough to quickly and precisely set the AXEO to the relevant spreading material properties and spreading symmetry. The same applies to the spreading volume adjustment – one small click at the settings centre is enough. Contact with the spreading vanes is therefore not necessary. The metering slide and the spreading width limiter can optionally also be elegantly electrically remote controlled with E-CLICK.

Economy provides protection

By choosing an AXEO, you can save on spreading material through exact volume metering and precise adjustment to the ideal working width. This means significantly reduced costs for remedying spreading damage, e.g. to trees. Good for you and good for the environment.







AXEO 18.1

Powerful winter service – exactly according to your requirements

Efficient and intuitive – the AXEO 18.1. The tried-and-tested AXEO "CDA" spreading concept consists of the spreading disc with eight spreading vanes and a speed of 230 rpm as well as an intelligent shaped metering slide opening located in the rotatable container floor. This guarantees even lateral and longitudinal distribution even at high working speeds.

Maximum working width flexibility

Whether for powerful spreading over the entire working width or one-sided spreading to the left or right, the variable spreading width limiter adjusts for every use. Damage to parked vehicles or green strips is almost entirely prevented. Of course, you can precisely adjust the working widths from 1 to 8 m: either manually or with the optional electrical remote control.

Compact but easy to maintain

The use of high-quality components protects the AXEO. A protection that clearly pays off when it comes to a long service life and low maintenance costs. And although the AXEO is unique in its compactness, it offers convenient free space for simple and quick cleaning and maintenance.

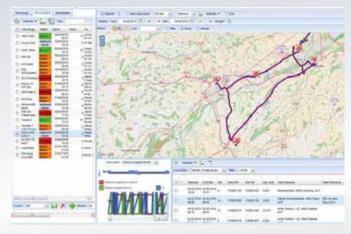
Durable and safe

Our innovative agitator system

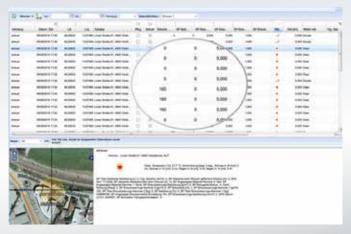
The most varied spreading materials and their requirements led us to come up with the innovative AXEO agitator concept. This system, with its highly wear-resistant materials, takes precise account of the different requirements of the individual spreading materials. This guarantees smooth and problem-free running even if the quality of the spreading materials is a problem.







Analyse deployment times and operational data



Up-to-date vehicle status at a glance

Particularly in times of tight budgets, it is important to optimise the cooperation of humans and machines. GPS fleet spreading service logging does just this, since it allows GPS location services to be used efficiently for winter service with the GPS fleet software. In addition to the digitally generated route protocol, the system also records the spreading volume or spreading density and working width. These values can be archived and assessed in order to carry out detailed analyses of basic data such as location, temperature and machine. The exact route documentation provides comprehensive verification of physical activities, which also helps when dealing with complaints or questions of liability. The application thus ensures more precise and easier work, the networking of different agents, machines and service providers for productivity and more targeted use of resources.

AXED & PRAUTH

SIMPLE INSTALLATION – BETTER DOCUMENTATION

The fleet box for data recording is installed in the tractor vehicle and connected via cable to the QUANTRON-K2 computer for AXEO. The information from the fleet box is transferred via a GSM module to the internet-based fleet software. This means you maintain an overview at all times and can use spreading material and labour efficiently. The GPS documentation not only comes with AXEO with QUANTRON-K2, but also for UKS with QUANTRON-A as well as for TAXON 25.1 EcoTron plus.

Fleet-15 telematics box

- ✓ GPS live tracking and most recent lane
- **✓** Route protocol
- ✓ Private mode and driver detection
- ✓ Spreading volume transfer and evaluation
- ► Tablet
- ▶ PC
- Smartphone

Fleet-15 telematics box with GPS and mobile connection to QUANTRON-K2. Also for QUANTRON-A with UKS and TAXON EcoTron plus.

COMPACTNESS IN ITS MOST AESTHETIC FORM -

OUR SA FAMILY - QUICK AND MANOEUVRABLE TO USE



PROTECTIVE GRILLE IN THE CONTAINER

Mesh size 30 x 30 mm

POWDER PAINTING

STABLE CONTAINER FRAME CONSTRUCTION

SPREADING WIDTH LIMITER
MADE FROM STAINLESS STEEL
adjustable (series)

MAINTENANCE-FREE OIL BATH GEAR BOX
OR HYDRAULIC MOTOR

STAINLESS STEEL SPREADING VANES

adjustable for a good spread pattern

JRAUCE

Our SA winter service spreaders are ideal for public winter servicing of small areas, bicycle and pedestrian paths as well as lanes and municipal roads. Our SA series impresses not just due to its compactness, but above all its wide range of services and outstanding value for money. Thanks to the spread width limiter installed as standard, the spread width is infinitely adjustable from 0.8 to 6.0 m. The spread volume can be simply and conveniently regulated with the one-hand operating lever. The setting of an even distribution is done via the adjustment of the spreading vanes and the steep container walls ensure the smooth sliding of the spreading material. The agitators that have been specially developed for the SA series allow for the smooth sliding out of different spreading materials. This guarantees problem-free, efficient and environmentally friendly spreading.

LIGHTING WITH WARNING INDICATORS

STEEP CONTAINER WALLS
ENSURING GOOD SLIDING OF THE SPREADING MATERIAL

A RANGE OF AGITATORS

that can be quickly changed with bayonet catch

SINGLE SLIDE ACTIVATION FOR ONE-SIDED SPREADING

FEED POINT ADJUSTMENT FOR ASYMMETRIC SPREADING RIGHT OR LEFT (only SA 250 / SA 360)

SA 250

THE COMPACT ALL-ROUNDER — THE RAUCH SA

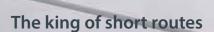
BENEFIT FROM...

- ... effective agitators and steep container walls for increased safety of use
- ... quicker and easier adjustment of the spreading width saves spreading material
- ... more safety: protective grille as standard
- ... exact metering and lateral distribution
- **... high processing quality**, e.g. due to the powder-coated paintwork
- ... Long service life due to oil bath gear box

ZRAUCH SA

✓ RAU[H





The medium distance runner

The specialist

SA 121	
SPREADING WIDTH	0.8 – 5 m
PAYLOAD	200 kg

SA 250	
SPREADING WIDTH	0.8 – 6 m
PAYLOAD	500 kg

SA 360	
SPREADING WIDTH	0.8 – 6 m
PAYLOAD	500 kg



Agitators

SA 121



Agitator RWK 10 for salt, sand



Agitator RWK 8 for grit, fertiliser

SA 250 / SA 360



Agitator **RWK 5** for grit



Hook agitator RWK 2 for sand/salt



Chain agitator **RWK 4** for grit and grit/salt mixture



Agitator for granulated fertiliser

SA 121 hydraulic motor:

For a flow at the rated speed of the tractor of 16 – 32 l/min

SA 250 / SA 360 hydraulic motor type 100 cm³:

For a flow at the rated speed of the tractor

of at least 20 I/min to max. 40 I/min

SA 250 / SA 360 hydraulic motor type 200 cm³:

For a flow at the rated speed of the tractor

of at least 45 l/min to max. 65 l/min

TECHNOLOGY FROM THE PROFESSIONALS -

COMPACT, MANOEUVRABLE, UNIVERSAL USE - THE UKS

The UKS is an all-rounder on all routes, whether road, path or parking facilities. Fitted with a patented spreading system, the UKS is an outstanding choice for regions in which simplicity, effectiveness and value for money are the key factors when it comes to choosing winter service machines. It demonstrates its strengths here and provides simple operating convenience as well as a high level of precision. The unique agitator shaft with flexible fingers guides the spreading material to the metering slide openings and ensure the problem-free metering of all known spreading materials. As an all-rounder, the UKS can also be used in summer for sowing and fertilising with high precision.





BENEFIT FROM...

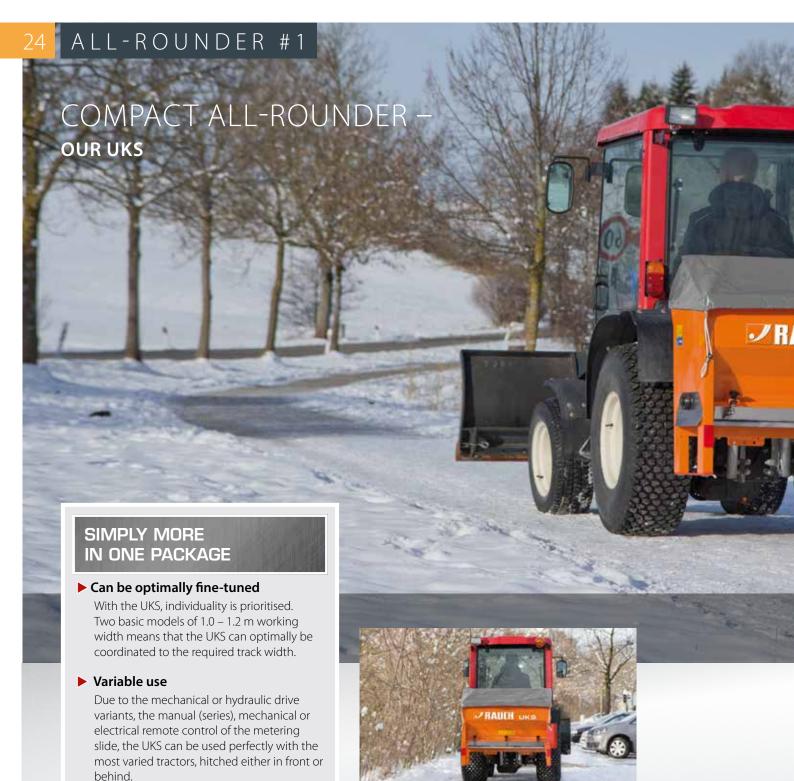
- ... a universal spreader for all spreading materials
- ... spreading material can be changed without adjustment/conversion work
- ... fixed spreading width $1.0 \, m$ or $1.2 \, m$
- ... **problem-free sliding** of moist spreading material thanks to steep container walls
- ... **simple metering,** manually or remote controlled
- ... stainless steel spreading base that can be folded without tools for the quick, easy emptying of residual material or cleaning of the spreader
- ... optional, precise, speed-dependent metering with **QUANTRON-A**
- ... for year-round use (sowing, fertilising, sanding)



UKS 100	
SPREADING WIDTH	1.0 m
PAYLOAD	500 kg



UKS 120	
SPREADING WIDTH	1.20 m
PAYLOAD	500 kg



► Comfortable emptying of residual

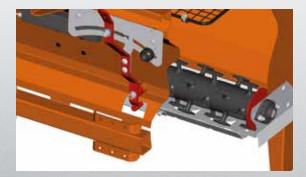
material

The stainless steel spreading base can be conveniently folded down in no time. This provides sufficient space for convenient emptying of residual material and cleaning.

Retains its value for a long time

The premium powder coating as well as the high proportion of stainless steel components preserve the value of this investment for many years.

Spreading width always constant - no damage to vehicles



Wear-resistant plastic finger roller (agitator shaft)



THE HIGHEST PRECISION AND COMFORT WITH QUANTRON-A

QUANTRON-A is the electronic spread volume metering system for the UKS. The optional QUANTRON-A offers you numerous advantages:

Automatic metering at any speed

The automatic QUANTRON-A spread metering regulates the metering slide depending on the speed of the vehicle.

Simple, menu-guided operation

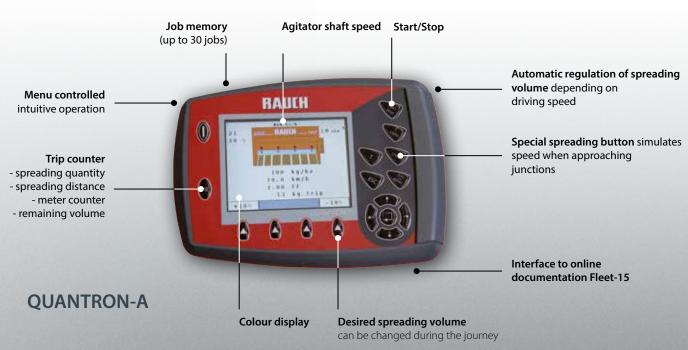
The convenient operation takes place via the logically structured, multi-lingual menu interface.

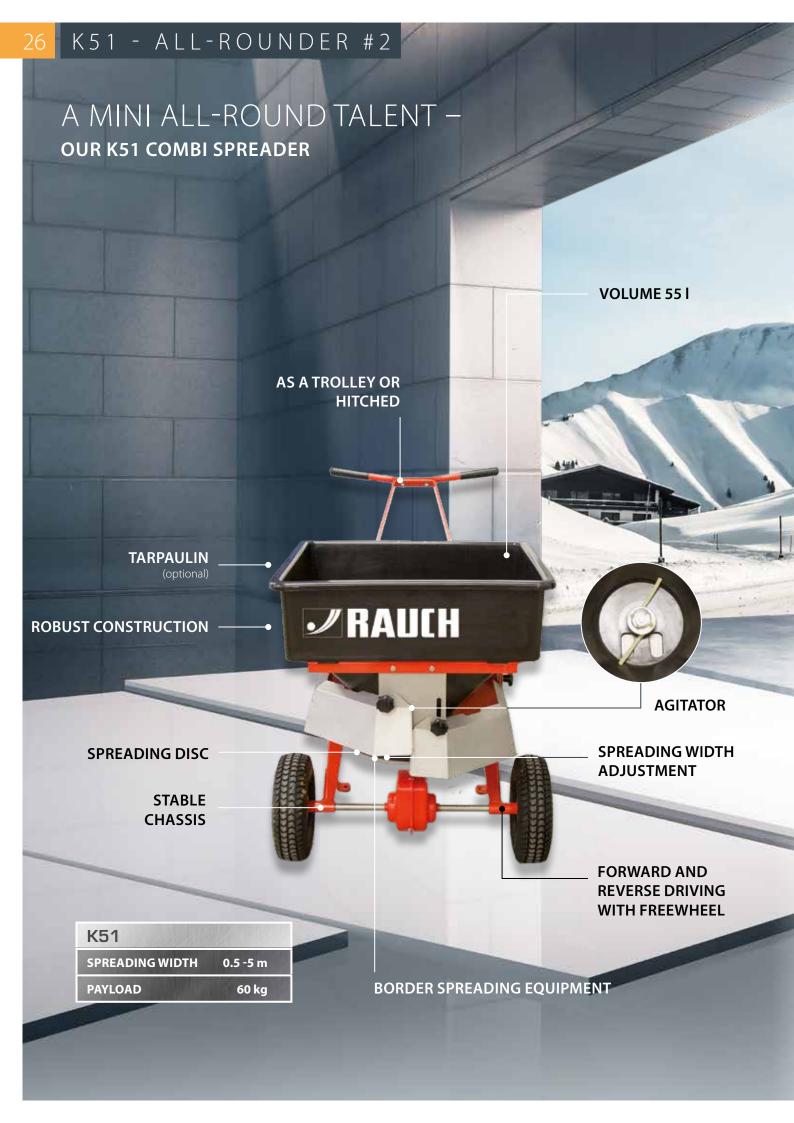
Significant savings and noticeably reduced environmental impact

Constant spreading volumes when the driving speed is changing save valuable spreading material, increase economic efficiency and protect the environment.

Conveniently vary and document

During the journey, the driver can change the spreading volume by remote control at the touch of a button and thus adapt quickly to changing conditions.





The safety of residents and traffic participants is of the highest priority. This applies to small areas as well as large. And it is just these small areas that are ideal for using our K51 "mini RAUCH" with its 60 kg payload and only 29 kg empty weight. Whether for narrow spreading widths of 0.5 m or wide ones of up to 5.0 m, the conveniently reached operating lever allows for the fine adjustment of volumes that is precisely tailored to the relevant conditions. The drive for the spreading discs and the agitator works via two impellers to guarantee an even spread pattern even when travelling around bends. The important parts of our "mini" option such as the container floor, slide, spreading discs, spread width limiter and spreading vanes are also made from stainless steel.





WINTER USE

BENEFIT FROM...

- ... flexible drive push or pull
- ... **one-sided spreading** with sharply delimited border spreading
- ... **high precision** when metering sand, salt, grit, fertiliser, seed material and oil binding agents
- ... a **stable transmission** with differential and disengageable drive for driving on roads
- ... high-quality processing extremely long service life as a result

SUMMER USE FOR FERTILISING



Simple spreading quantity adjustment



Spreading width right/left adjustable separately

QUALITY HAS A NAME -**RAUCH**



From "S" to "XXL": Every RAUCH winter service spreader provides superior de-icing on all roads and paths. The range of uses extends from private to public areas – efficient de-icing is guaranteed on paths and squares as well as on roads. No matter what the area of use and weather conditions, a future-oriented and high-quality technology concept is used.



MADE IN GERMANY – USED WORLDWIDE

We are one of the world's leading manufacturers of winter service technology and agricultural fertiliser spreaders, with our core competencies being the metering and distribution of spreading materials of all kinds.

RAUCH spreading technology has been continually improved and perfected over decades of optimisation.

Through exact and even lateral distribution of the spreading material, we achieve a homogeneous spread pattern, resulting in maximum spreading safety and ultimately road safety. The quality, robustness and reliability of our spreaders has been proven on many roads across Europe, from sunny Spain to the harshest winter conditions in the Alps.

ALWAYS THERE FOR YOU – SERVICE BY RAUCH

With a RAUCH winter service spreader, you are not just purchasing an innovative and reliable spreading machine, but also an overall concept that is more than just mechanical.

This is because for us, the work does not stop after you purchase your spreader, we are happy to continue to support you.

With comprehensive service that answers your questions in a practical way, quickly resolves problems and is there when needed. Talk to us – we can help you.

Spreading tables, operating and assembly instructions, product brochures, videos, guarantee provisions and much more

We offer you comprehensive services on our website. Visit us around the clock, e.g. in the download centre or for e-learning: www.rauch.de/Service

We are always looking for the optimal solution, always with one foot in the future, always with the idea and the promise of transforming our knowledge into qualitatively unique products. Until the final detail is perfect and it has earned the name RAUCH.

TAXON 25.1

Machine type	Spread- ing width	Capacity	Payload	Empty weight	Container size	Filling level	Centre of gravity distance	3-point attachment
	m	I	kg	kg	cm	cm	cm	
TAXON 25.1	2 - 8	1,500	2,500	463	127 x 200	160	32	Cat II + III

AXEO 2.1 / 6.1 / 18.1

Machine type	Spread- ing width m	Capacity I	Payload kg	Empty weight kg	Container size cm	Filling level cm	Centre of gravity distance cm	3-point attachment
AXEO 2.1	1 - 8	250	800	130	100 x 87	96	40	Cat. I
+ 100 l extension		+100		+14		+14		
AXEO 6.1	1 - 8	560	1,000	160	120 x 95	123	40	Cat. I
AXEO 18.1	1 - 8	750	1,800	230	150 x 121	128	- 55	Cat. II
+ 250 l extension		+250		+23		+15		
+ 500 l extension		+500		+35		+29		
+ 750 l extension		+750		+47		+34		



SA 121 / SA 250 / SA 360

Machine type	Spread- ing width m	Capacity I	Payload kg	Empty weight kg	Container size cm	Filling level cm	Centre of gravity distance cm	3-point attachment
SA 121		120		55	94 x 94	80		
+ S45 extension	0.8 – 5	165	200	+4		+12.5	37	Cat I N
+ S80 extension		200		+6.5		+17		
SA 250	0.8 – 6	250	500	110	88 x 91	107	29	Cat. I
SA 360	0.8 – 6	360	500	120	100 x 99	118	29.5	Cat. I

UKS 100 / 120

Machine type	Spread- ing width m	Capacity	Payload kg	Empty weight kg	Container size cm	Filling level cm	Centre of gravity distance cm	3-point attachment
	111	'	ĸy	ĸy	CIII	CIII	CIII	
UKS 100	1	200	500	120	118 x 70	75	30.5	Cat I N
+ Extension		+80		+16		+15		
UKS 120	1.2	240	500	130	138 x 70	75	30.5	Cat I N
+ Extension		+100		+18		+15		

K 51

Machine type	Spread- ing width m	Capacity I	Payload kg	Empty weight kg	Container size cm	Filling level cm	Recommended spreading speed approx. km/h
K 51	0.5 – 5	55	60	29	58 x 54	73	to 6







RAUCH Homepage For more useful information, visit the RAUCH website