

PNEUMATIC SEED DRILLS **SOLITAIR 25**





Versatile cultivation methods

Greater technological efficacy, the ability to combine tools universally in implements, and fast and easy road transport are becoming increasingly important in modern arable farming. This is where the extensive range of Solitair pneumatic seed drills creates a solid basis for the efficient use of implements when sowing. The Solitair 25 pneumatic seed drill can be

semi-mounted to various LEMKEN soil cultivation implements to adapt the implement optimally and quickly to varying conditions. Depending on the previous crop, crop rotation, weather and harvest conditions, switching over from conventional to conservation tillage methods can deliver significant cost savings. Working widths of 4 to 6 metres provide the essential

requirements for cost-efficient operation on all types of farms. The LEMKEN Solitair meets all needs in terms of blockage-free operation and precise seed placement. The parallelogram-controlled double disc coulters with depth control roller place seeds precisely at the pre-set depth with both mulch sowing and conventional cultivation.



The newly developed metering and distribution concept of the Solitair 25 leaves nothing to be desired. It allows seed rates of 0.5 to 500 kg/ha to be reliably dispensed and can therefore also be used for metering fertiliser for single-seed drilling. Part width section control is available as standard, and the new tramline mechanism integrated in the distributors requires no

seed return at all. The system is additionally quick and easy to adapt to different tramline rhythms.

The Solitair can not only be combined with LEMKEN soil cultivation implements, but various seeding units can also be attached via a three-point linkage at the rear. The LEMKEN Azurit 9 could therefore be easily mounted for

single-seed drilling. As a result, the Solitair offers outstanding economy.

Innovative technology



Vertical metering

Seeds are dispensed to four distributors via four vertically arranged metering units.

- Each metering unit is driven by a separate electrical motor.
- This motor serves to control the metering speed and cell volume.
- The combination of cell volume and

metering speed then ensures a uniform flow of seeds under any conditions.

- The fine seed wheel is integrated in the metering cells.
- Application rates can be set between 0.5 and 500 kg/ha.

Blower fan

A new blower fan is integrated in the plastic hopper.

- The fan consists of a stainless steel wheel and a die-cast aluminium housing to keep noise to a minimum.
- The air volume it delivers is sufficient for reliably transporting seeds and fertiliser at rates of up to 500 kg/ha.





Hopper

Plastic hopper with 3000 l capacity.

- Large opening and robust lid for easy filling.

- Integrated sieves for removing dirt and larger clods.

- Comfortable access and wide walkway with handrail for safe support.

- Quick and easy residue drainage.



Weighing unit

A weighing unit can be optionally fitted to the hopper to ensure that operators always have information about seed and fertiliser volumes at hand.

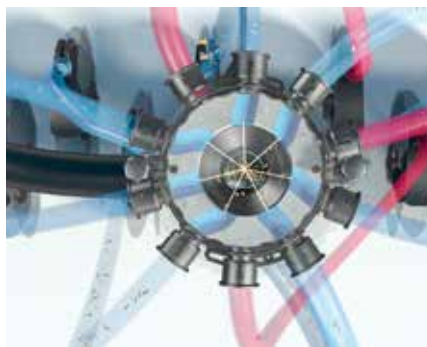
Innovative technology



Distributor with tramline mechanism

Four distributors positioned directly above the coulters ensure superior transverse distribution.

- Integrated hydraulic tramline mechanism
- Symmetrical distribution in tramline mode
- No seed return required in tramline mode
- Adaptation to a wide range of tramline systems by simply replacing distributor cartridges



Part width section control



Part width section control as standard

- Individual metering units can be deactivated in the standard version to divide the coulters into four part width sections.



Share system

Parallelogram-guided double disc coulters with depth control rollers.

- Both coulters pressure and seeding depth can be adjusted independently.
- Seeds are placed accurately at a constant depth, even with changing soil conditions.
- Seeds are pressed into the soil by the depth control roller to ensure even, rapid emergence.
- Unconsolidated areas between rows reduce erosion and puddling.
- A leading trapeze packer roller matched to the row distance ensures that seeds are optimally embedded in the soil.



OptiDisc/OptiDisc M

The coulters system is available in a hydraulic and mechanical variant.

- The mechanical system delivers a coulters pressure of up to 45 kg.
- The coulters pressure can be easily set using a lever and hole matrix.
- The hydraulic system can apply up to 70 kg pressure to the coulters.
- The system ensures reliable seed placement even with high speeds of travel.



Seeding depth

The seeding depth is set centrally via the top link of the three-point linkage.



MegaDrill – a new operating concept



MegaDrill is the new control for the Solitair 25 with a consistent operation structure like the controls MegaSeed and MegaSpray.

- Logical design and intuitive operation
- The layout manager allows surfaces to be freely configured and saved as up to four profiles.
- The unit is operated either via the LEMKEN CCI-200 terminal or any universal ISOBUS terminal.
- The HeadlandCommand, Tramline Control and VariableRateControl

Fieldtronic elements can be integrated in MegaDrill controls.

New diagnostic concept

- The information menu offers a range of diagnostic options.
- The new diagnostics system guides operators directly to the source of any errors in case of disruptions and assists them in troubleshooting.



ISOBUS connectivity



As MegaDrill is fully ISOBUS-compatible, farmers benefit from all functionalities provided by an ISOBUS system when working with a Solitair 25.

TaskController compatibility

LEMKEN MegaDrill also provides for control via other ISOBUS-compatible SectionControl applications.

MegaDrill permits full seed drill integration into a farm's documentation and job management processes and is

compatible with leading task control systems, including CCI.Control.

MegaDrill provides data for exchange with field management systems. When using a GPS-compatible task controller, location-specific data is also collected, enabling location-specific job planning. Location data can similarly be used for part width section-specific treatment of areas.

Data is exchanged in ISO XML data format, either by USB stick or via mobile

networks, if the terminal features a mobile module. This allows jobs to be easily imported into the task controller and/or completed documentation to be exported after job completion.

Innovative design details



Filling auger

- Optionally available with filling auger to allow for easy filling directly from a trailer.
- Optionally also available with hopper weighing system.



Harrow

- A single, individually adjustable harrow is mounted to the rear seeding coulters to cover two seed rows reliably.
- The compact harrow is easy to lift to be able to respond to any conditions.



Wheelmark eradicator

- Corrugated discs reliably remove any traces of the leading chassis tyres even with larger amounts of harvest residue.





Seed tube monitoring

- The seed tubes leading to the distributors can be equipped with sensors for seamless seed tube monitoring. The system can be controlled via the MegaDrill controls on the ISOBUS terminal.



Tyres

- Large tyres – up to 710 mm wide tyres with 3 m transport width for safe road travel at speeds of up to 40 km/h



Storage compartments

- Storage compartments are integrated in the wheel covers of the plastic hopper for keeping any practical utensils comfortably accessible.



Versatility in perfection



Three-point attachment

A three-point linkage at the rear of the machine allows a range of seeding implements to be coupled to the Solitair 25 quickly and easily to ensure that the machine can be optimally utilised.



Azurit 9 K

When the LEMKEN Azurit 9 K is coupled to a Solitair 25, the hopper holds fertiliser, which is then dispensed via the metering units. The direction of cell wheel rotation is then reversed to prevent seed scraper wear.



Soil cultivation

The Solitair 25 KA can be combined with various soil cultivation implements from the LEMKEN product range to ensure that the machine can be optimally adapted to a wide range of conditions.



Technical data

Model	Working width [approx. cm]	Number of rows		Hopper volume [approx. l]	Weight for 12.5 cm [approx. kg]	Poss. combinations soil cultivation	Poss. combinations seeding units
		Row distance 12.5 cm	15.0 cm				
Solitair 25/400 KA	400	32	27	3000	1992	Heliodor 9 KA, Rubin 9 KA, Kristall 9 KA, Zirkon 12 KA	Coulter bar with OptiDisc, coulter bar with OptiDisc M
Solitair 25/450 KA	450	36	30	3000	2108	Heliodor 9 KA, Rubin 9 KA, Zirkon 12 KA	Coulter bar with OptiDisc, coulter bar with OptiDisc M, Azurit 9 K
Solitair 25/500 KA	500	40	34	3000	2225	Heliodor 9 KA, Rubin 9 KA, Kristall 9 KA, System-Kompaktor KA, Zirkon 12 KA	Coulter bar with OptiDisc, coulter bar with OptiDisc M
Solitair 25/600 KA	600	48	40	3000	2458	Heliodor 9 KA, Rubin 9 KA, Kristall 9 KA, System-Kompaktor KA, Zirkon 12 KA	Coulter bar with OptiDisc, coulter bar with OptiDisc M, Azurit 9 K



Service is decisive



The renowned, almost legendary LEMKEN service begins right after the purchase of a LEMKEN implement.

We operate 18 branches and external warehouses in Germany and have our own sales companies and importers in more than 40 countries worldwide to ensure optimum availability of implements and spare parts in cooperation with specialist agricultural machinery dealers.

In the unlikely event that a part is not in stock, it can be ordered from the LEMKEN logistics centre, which is open around the clock, 365 days a year, and delivered to the customer within 24 hours.

Expertise from LEMKEN specialists

Highly qualified customer service technicians are available to assist farmers,

contract farmers and dealers in commissioning implements and for expert maintenance and repair. Thanks to regular training, LEMKEN customer service is always up-to-date with current LEMKEN technology.

Genuine spare parts for maximum service life

LEMKEN wear parts are conceived for maximum durability. High-quality steels, state-of-the-art production methods and intensive quality control ensure a long service life. This is why all genuine spare parts with the protected LEMKEN trademark carry a distinct signature. Genuine spare parts can be ordered online around the clock via the LEMKEN information and ordering system.



LEMKEN GmbH & Co. KG
Weseler Straße 5
46519 Alpen, Germany
Phone +49 2802 81-0
info@lemken.com
lemken.com

Your specialist LEMKEN dealer: