



Integrated mechanical seed drills
SITERA 310 - 320 - 330





Summary

- 04-05** A comprehensive range to adapt to your needs
- 06-07** Light and compact design
- 08** Save time on settings and concentrate on the essential!
- 09** Precise and regular metering
- 10-11** ISOBUS or not, we have the solution!
- 10-11** SITERA e: the electric effect

- 12** SITERA 310: high-performance Suffolk coulters
- SITERA 320: versatile single discs
- 13** SITERA 330: SEEDFLEX 100 seeding-bar precision
- 14** Additional equipment for ever more operating comfort
- 15** Technical specifications

SITERA

Integrated mechanical seed drills

A PERFECTLY INTEGRATED SEEDING COMBINATION

THE INTEGRATED MECHANICAL SEED DRILLS IN THE SITERA 100 RANGE PROVIDE A 3M WORKING WIDTH. THESE LIGHT AND COMPACT MODELS COME WITH SUFFOLK COULTERS, SINGLE DISCS OR SEEDFLEX 100 SEEDING UNITS. DISTRIBUTION DRIVE IS MECHANICAL OR ELECTRIC DEPENDING ON THE CHOSEN CONFIGURATION.



MORE COMPACT

The seed drills in the SITERA 100 range are fitted onto the power harrow's roller directly. This has many advantages: reduced overhang, a centre of gravity close to the tractor, and lower lifting-power requirement. Being light and compact, these seed drills are perfectly suited to small tractors.

ADAPT YOUR SEED DRILL TO YOUR NEEDS

The seed drills in the SITERA 100 range are designed so that all the machine's essential settings are quick and easy to carry out. A real time saver that allows you to concentrate on the job at hand!

THE ELECTRIC EFFECT

The electric distribution system (SITERA e range) is an effective solution that will save you time during calibration testing! In this configuration, you can modulate the application rate manually with the VT 30 terminal, or automatically by GPS with an ISOBUS terminal.

SITERA 310 | 310e | 320 | 320e | 330 | 330e

A COMPREHENSIVE RANGE TO ADAPT TO YOUR NEEDS

Till and seed in one pass with the SITERA 100 range of seed drills! They come in 20 and 24-row versions with 15 and 12.5cm spacings respectively. They can be equipped with Suffolk coulters, single discs or SEEDFLEX 100 seeding units. The electric distribution system (SITERA e) facilitates calibration tests, and in combination with an ISOBUS terminal, some functionalities can be automated.



SEEDING UNITS

SITERA 310:
high-performance Suffolk coulters



The ideal cost-effective solution for seeding in difficult conditions.

SITERA 320:
versatile single discs



Designed for smooth running in plant residues and wet conditions.

SITERA 330:
the SEEDFLEX 100 precision



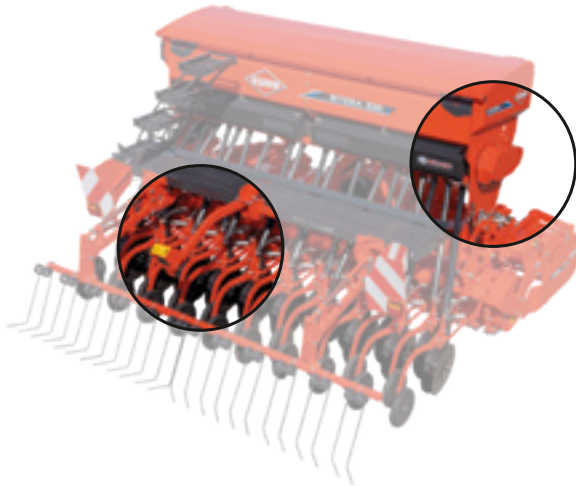
Seeding-depth precision ensured for uniform emergence.

DISTRIBUTION DRIVE

SITERA 100: mechanical drive



SITERA e: electric drive



SEEDING MANAGEMENT

Terminal VT 30:
Simply the essentials



Adapted to non-ISOBUS tractors.

Terminal ISOBUS:
performance, visibility, and flexibility



Adapted to ISOBUS tractors.

POWER HARROWS

HRB 302: up to 140 hp.



HRB 303: up to 160 hp.



HR 304: up to 190 hp.



HR 3004: up to 250 hp.



Seed drills compatible with a large range of KUHN power harrows, renowned for their robust design, long service life and lower maintenance costs.

A LIGHT AND COMPACT DESIGN

These light and compact integrated models are suited to tractors from 100 to 120 hp, depending on the model. They are a simple and efficient solution for medium-sized mixed-crop/livestock or cereal farms.



Quick and easy coupling/uncoupling

If you choose to use the power harrow solo, or with another seed drill, it is very quick and easy to couple or uncouple the seed drill. The attachment parts are specially designed for that purpose. It is also possible to equip the seed drill with a hydraulic top link (available as an option) to reduce overhang and enable seeding-bar lift when using the power harrow solo.



Centre of gravity close to the tractor

The seed drill is fitted to the power harrow's roller directly. This provides numerous benefits: the centre of gravity is closer to the tractor, the seeding combination is perfectly integrated, less power is required for lifting, and seeding depth is constant, irrespective of the power harrow's working depth. Driving comfort is optimised in the field and on the road.



Excellent seeding unit visibility

The hopper on SITERA 100 seed drills is in forward position. This configuration contributes to moving the weight of the seed drill closer to the tractor and to reducing overhang. It also provides excellent visibility of the seeding units.

Savings in labour, time, and fuel

Till and seed in one pass! The seed drills in the SITERA 100 range are compatible with HRB 302, HRB 303, HR 304 and HR 3004 power harrows that can work with a wide range of tractors up to 250 hp, depending on the harrow. These power harrows can be equipped with different types of tines and rollers to adapt to working conditions and soil types.

SAVE TIME ON THE SETTINGS AND CONCENTRATE ON THE ESSENTIAL!

The seed drills in the SITERA 100 range are designed to make the essential settings, such as seeding depth, coulter pressure, and calibration test, quick and easy.



An easy-access hopper

The hopper on the SITERA 100 range of seed drills has a 600-litre capacity (900 litres with extension) and an easy-to-fill big opening for a big-bag. The opening is easy to access thanks to the wide loading platform and retractable steps. A hopper level sensor enables the driver to manage refilling better.



A practical calibration test

It is essential to carry out a calibration test before seeding to make sure that the application rate is accurate. Calibration testing is made simpler by having all the tools within arm's reach. The calibration bag is under the hopper cover, and there's an extendable and retractable holder to hang the weighing equipment (optional) and the bag on.



SITERA 310 & 320: central settings and low stop as standard

The central and independent coulter-pressure and low-stop settings on the Suffolk-coulter and single-disc models (SITERA 310 and 320), allow obtaining a regular seeding depth, even when the plot is uneven or when shallow-seeding with high pressure. This is a real time saver now that favourable weather windows for seeding are getting shorter and shorter.

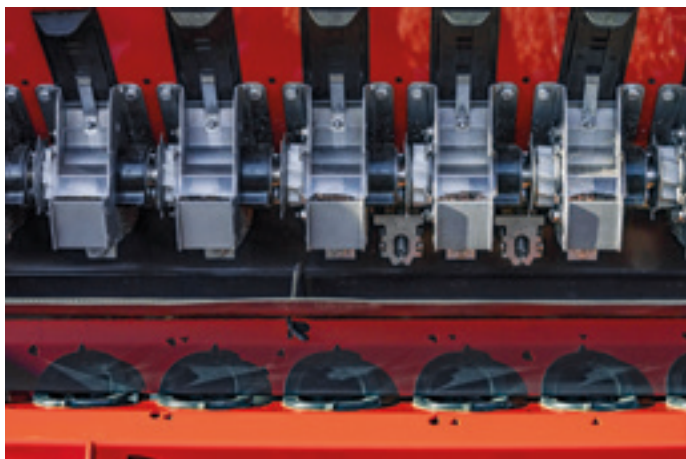
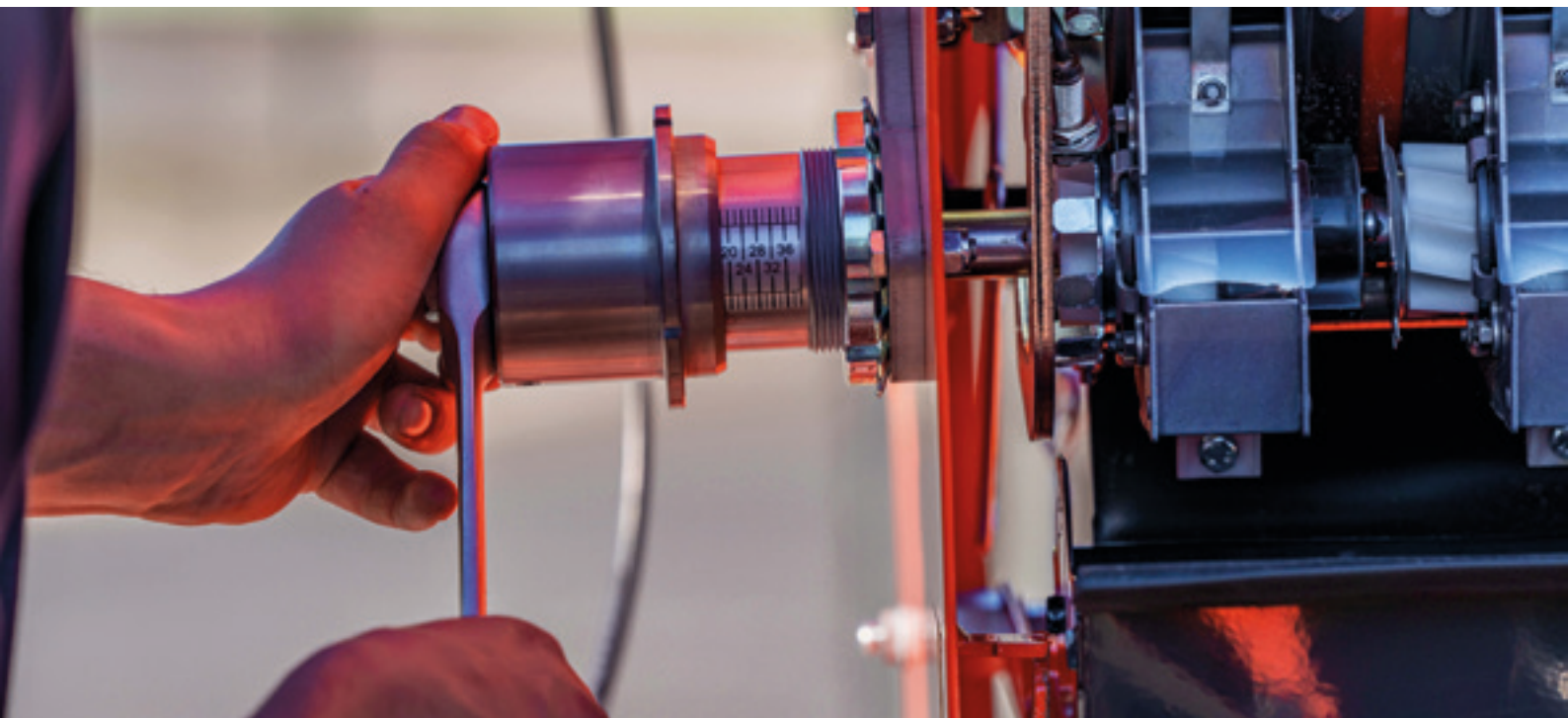


SITERA 330: simple and efficient adjustments

For the SEEDFLEX 100 model (SITERA 330), seeding depth is adjusted on both sides of the seed drill with a spanner. Adjusting the tillage tool does not affect seeding depth. Coulter pressure on each unit can be set up to 40 kg to maintain sufficient seeding depth and ensure effective tamping in dry soil or when deep seeding at high speeds.

PRECISE AND REGULAR METERING

The HELICA metering system is well-known for its simple design and precise and regular output. The metering range of 1 to 450 kg/ha is respected irrespective of the level of seeds remaining in the hopper, the ground speed, or working conditions (uneven plots, hilly terrain, etc.). So many features that contribute to an optimum yield by ensuring that each plant has sufficient room for growth.



A precise and versatile metering system

The helical shape of the volumetric splines ensures seeds are delivered uniformly one after the other. The HELICA metering system is also capable of distributing seeds of different shapes and sizes, such as rapeseed, clover, alfalfa, wheat, barley, and broad beans etc., with the same precision and regularity. It is not necessary to remove or change any parts, even for small seeds.



SITERA e: electric distribution drive

Seed drills in the SITERA e range have an electric metering system. An on/off button on the hopper starts and stops the calibration test. Once the weight has been entered into the terminal, the motor takes care of the rest by adjusting metering speed automatically.

SITERA 310 | 310e | 320 | 320e | 330 | 330e

ISOBUS OR NOT, WE HAVE THE SOLUTION!

THE VT 30 TERMINAL: SIMPLY THE ESSENTIALS



The seed drills in the SITERA 100 range can be controlled with the VT 30 terminal for non-ISOBUS tractors. This simple, user-friendly terminal, which features a 3.5"/8.9cm colour touch screen, has been an effective tool for KUHN seed drills for a number of years.

Its functionalities are:

- metering and drive-wheel monitoring,
- tramlining control: symmetrical or asymmetrical,
- low-level hopper alarm,
- field counter,
- calibration test assistance.



Do you have an ISOBUS tractor? If so, opt for an ISOBUS VTI 60, CCI 800, or CCI 1200 terminal, or any other ISOBUS terminal already on the farm. You don't have an ISOBUS tractor? KUHN's VT 30 terminal is the one for you! All you need is a power cable to switch from one to the other!

VTI 60, CCI 800, CCI 1200 ISOBUS TERMINALS: COMBINING HIGH-PERFORMANCE, VISIBILITY, AND FLEXIBILITY



Seeding can also be managed with an ISOBUS VTI 60, CCI 800, CCI 1200 or any other ISOBUS terminal on the farm.

The ISOBUS VTI 60 terminal comes with a 5.7"/14.5 colour touch screen. It has 12 backlit buttons for easy access to the machine's functions.

The CCI 800 and CCI 1200 terminals prioritise performance, visibility, and flexibility. All essential information is displayed on a main view with mini-views on the side. When used with a seed drill from the SITERA e range (electric distribution), these terminals allow you to automate numerous features such as application rate and metering.

SITERA e: THE ELECTRIC EFFECT

Seed drills in the SITERA 100 e range have an electric distribution system.

These seed drills are equipped with an electric motor and a radar sensor for the speed signal. This provides numerous benefits:

- a simplified automatic calibration test with calibration button and automatic distribution start-up,
- manual or automatic application-rate modulation by GPS via an ISOBUS terminal with the TC-GEO function,
- automatic seeding management by GPS (for starting up and stopping distribution at headlands) via Section Control (TC-SC).

SITERA 310: HIGH-PERFORMANCE SUFFOLK COULTERS

The SITERA 310 mechanical seed drill is equipped with Suffolk coulters seeding units that require little maintenance. The specific design of the coulters allows them to place the seed precisely in the furrow, even in difficult conditions. The coulters pressure of each unit can be set to 25 kg to maintain sufficient seeding depth in heavy clay or sticky soils. The coulters are positioned over 2 rows spaced at 33 cm to facilitate passage in stony conditions.



SITERA 320: THE VERSATILITY OF SINGLE DISCS

The SITERA 320 integrated seed drill is equipped with single-disc seeding units. The large-diameter disc (\varnothing 327 mm) opens the furrow perfectly. The disc is slightly tilted which reduces soil spray into the row. A cast iron Suffolk coulters, on the side of the disc, consolidates the furrow and places the seed with precision. The seeding units are positioned over two rows, spaced at 27 cm, to facilitate passage in wet conditions or with plant residues.



SITERA 330: SEEDFLEX 100 SEEDING BAR PRECISION

The SITERA 330 seed drill is equipped with the SEEDFLEX 100 seeding bar featuring double offset discs that open the furrow perfectly. The discs are parallelogram-mounted and come with a press wheel that controls seeding depth with precision and optimises seed/soil contact.



Precise seed delivery

The large-diameter double discs on SEEDFLEX 100 seeding units are offset by 41 mm for perfect furrow opening. Their slight opening angle reduces soil spray into the row. Being positioned in 2 rows, spaced at 15 cm, they pass through plant residues more easily. These seeding units are designed to ensure precise, regular seeding.

Seeding depth respected, even at high speeds

A constant seeding depth is maintained, including on uneven plots, thanks to the combination of three features: parallelogram-mounted double discs, press and depth-control wheels, and the coulter-pressure setting up to 40 kg. A winning combination in any conditions!

ADDITIONAL EQUIPMENT FOR EVER MORE OPERATING COMFORT



Press and depth-control wheels

The single-disc seeding units can be equipped with press and depth-control wheels (option). This option enhances soil-seed contact and transfers the moisture to the seed by capillary action for optimal germination and uniform seedling emergence. No tools are required to adjust the press wheels.



Wheel scrapers for SEEDFLEX 100 and single disc seeding units

The press wheels on the SEEDFLEX 100 and single disc seeding units can be fitted with scrapers. They prevent earth building up when seeding in wet conditions or just after the plough for example.



LED work lights

Seed drills in the SITERA 100 range can be equipped with LED work lights for improved visibility of the seed drill when working at night. These optional lights can be switched on and off on the terminal.



Additional hopper-level sensor

This extra sensor is useful in hilly areas. The driver receives a warning message to signal that the hopper is emptying faster on one side.



Ryegrass agitator

The ryegrass agitator is positioned on each row to improve the flow of light and angular seeds such as ryegrass, oat, and barley.



KUHN PARTS



Designed and manufactured to rival time. KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.

Technical specifications

	SITERA 310		SITERA 320		SITERA 330		SITERA e	
	SITERA 310-20	SITERA 310-24	SITERA 320-20	SITERA 320-24	SITERA 330-20	SITERA 330-24	SITERA e 20	SITERA e 24
Technical specifications								
Working width (m)	3.00							
Transport width (m)	3.00							
Weight approx. (kg)	770	800	860	900	930	990	Approx. 30 kg lighter than the mechanical versions	
Compatible tillage tools	HRB 302 - HRB 303 - HR 304 - HR 3004							
Hopper								
Capacity (with extension) (l)	600 (<> 900)							
Opening dimensions approx. (cm)	255 x 51							
Distribution								
Metering system	HELICA distribution with helical splines - 1 to 450 kg/ha							
Distribution drive	Mechanical by variator						Electric	
Agitator	◆							
Tramlining	2 x 2 rows, symmetrical or asymmetrical							
Distribution half-width shut-off	Manual - Left-hand side							
Delivery								
Number of rows	20	24	20	24	20	24	20	24
Spacing between rows (cm)	15	12.5	15	12,5	15	12.5	15	12.5
Type of seeding unit	Trailing coulters on 2 rows spaced at 33 cm		Single discs on 2 rows spaced at 27 cm		SEEDFLEX 100 with double discs, fitted to a parallelogram with press wheels, on 2 rows spaced at 15 cm		Trailing coulters - Single discs - SEEDFLEX 100	
Seeding-depth setting	Manual, centralised							
Seeding management								
Control terminal	ISOBUS or VT 30							
Speed signal	-						Radar fitted to the seed drill or <> tractor speed signal	

◆ standard <> optional - not available

KUHN SERVICES*

KUHN sos order - Express spare parts service, 24/7**

KUHN protect+ - The choice of professionals!

KUHN i tech - For ever quicker repairs!

KUHN finance - Invest rationally!



* Not all services are available in all countries. ** except January 1, May 1 and December 25

MyKUHN

THE LINK TO MY SUCCESS

MyKUHN is your on-line customer space. Sign up now and discover how the exclusive services offered by MyKUHN will facilitate the management of your fleet of KUHN machines and terminals as well as help you maximize their performance. Once identified, on computer, smartphone or tablet, you will have access to parts catalogs, technical documentation and numerous connected services.



Check out the most complete range of seed drills on the market..



1. Mounted mechanical - 2. Integrated mechanical - 3. With front hopper - 4. Integrated pneumatic - 5. Trailed pneumatic
6. Mounted min-till - 7. Trailed min-till - 8. Precision seed drills

KUHN SAS - 4 Impasse des Fabriques - BP 50060 - F-67706 Saverne CEDEX - FRANCE
KUHN NORTH AMERICA, INC. - 1501 West Seventh Avenue - Brodhead, WI 53520 - USA
KUHN FARM MACHINERY PTY. LTD - 313-325 Foleys Road - Deer Park, VIC, 3023 - AUSTRALIA
KUHN FARM MACHINERY (U.K.) LTD - Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ

To find your nearest KUHN dealer,
visit our website www.kuhn.com

Information given in this document is only for information purposes and is non-contractual. Our machines are in compliance with regulations in force in the country of delivery. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices **must** be in position in accordance with the requirements indicated in the operator's manuals and pre-delivery instructions. RESPECT THE ROAD REGULATIONS IN FORCE AS WELL AS the tractor gross vehicle weight rating, its lift capacity and maximum load per axle and tyres. The tractor front AXLE load must always comply with the regulations of the country of delivery (In Europe, it must reach minimum 20 % of the tractor net weight). We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

To protect the environment, this leaflet is printed on chlorine-free paper.
Printed in France - 920 677 EN - 08.23 - Copyright 2023 KUHN

