KRM

Soladrill GS300

Direct Seed Drill

KRM Sola

The KRM Sola GS300

Direct Drill in 3m working width

Over time the quality of grassland can become less productive as the proportion of high yielding varieties declines and less favourable species and weeds take over the sward.

There are a number of reasons why growers choose to sow new seed into existing pasture rather performing a conventional full re-seed:

- Regenerative farming practices – Through reduced cultivations, soil structure and ecosystems are protected and soil carbon content maintained. Sowing into an existing sward is an ideal way to introduce companion crops and establish herbal lays.
- Soil type and sub structure - In many areas there isn't the depth of soil to plough or any deep working may be prone to introducing stone etc to the seed bed.
- Available machinery – Not all growers own (or want to own) all the various cultivation tools required to perform a full re-seed.
- Contractor availability – Some growers may fear being able to secure a contractor in a tight season especially when the areas to sow are relatively small.
- Loss of production – Performing a full re-seed means a lengthy period out of production.

So for many growers, over seeding an existing sward can provide multiple advantages, and using a machine specifically designed for this purpose ensures better germination, even emergence for optimum use of inputs, lower sowing rates, lower establishment costs and improved margins.

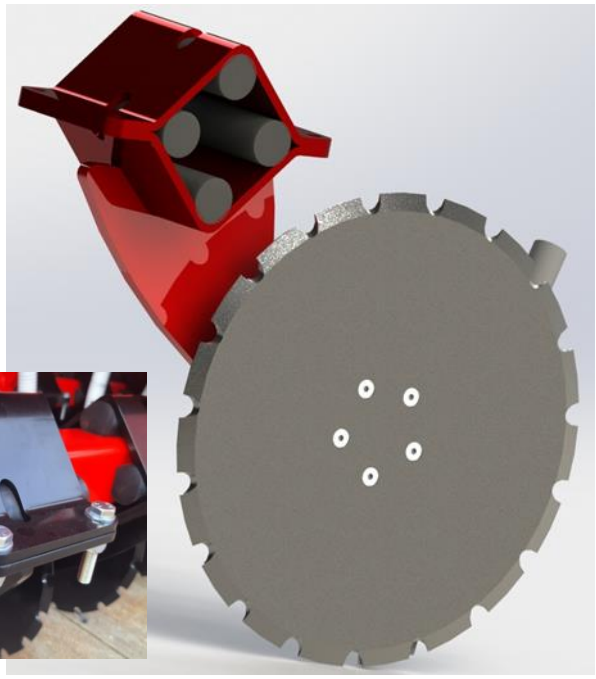
GS300 Seed Drill

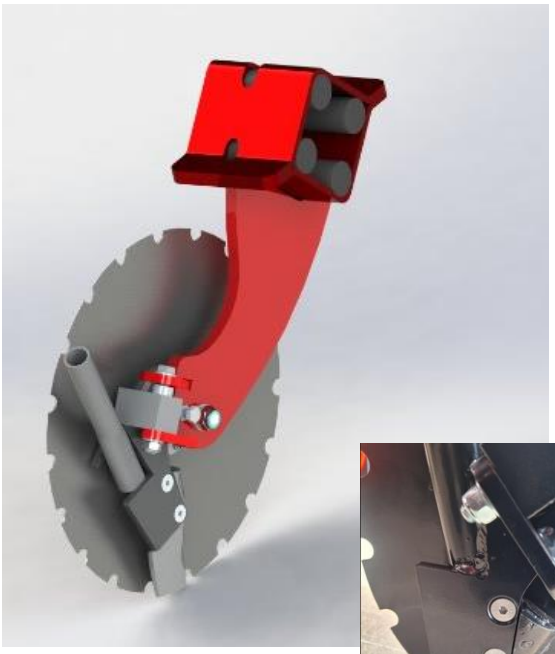
KRM Direct Grass Coulter

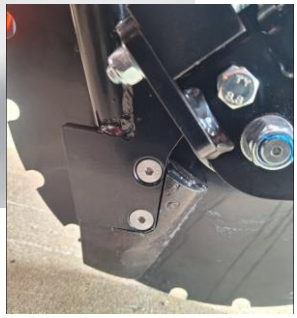
For working direct into existing pasture when precise control of sowing depth is required, KRM alongside Sola, have developed a Direct Grass Coulter system. With positive penetration and depth even at higher forward speeds, but with minimal disturbance of the soil surface to maintain existing cover and prevent secondary weed germination.

Rubber Mountings

Each coulter is mounted independently to the chassis of the machine. The mounting features rubber torsion blocks to absorb shock loads and allow each disc to move in isolation.





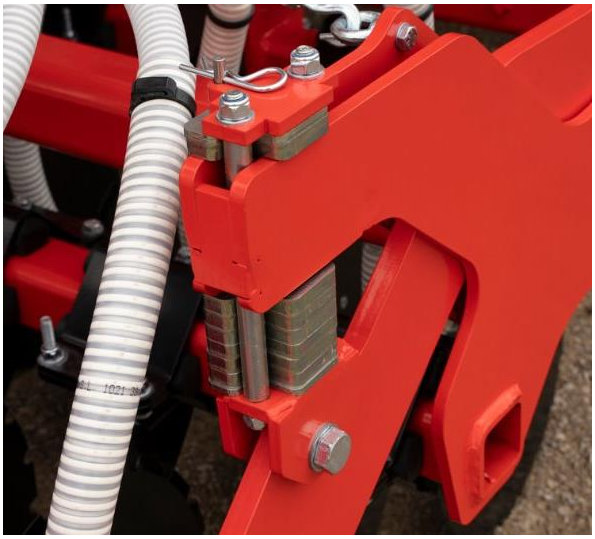


Notched Discs

The 400mm disc openers run at a narrow, 5 degree angle to improve penetration and minimise the width of the seed slot for fast, efficient closing. The coulter boot can be adjusted laterally and vertically for a maximum service life thus reducing running costs.

Simple depth control

Operators can adjust the sowing depth simply by moving the shims from below to above. This design allows that either the full weight of the roller is transferred to the discs for maximum penetration, or with the top shims removed, the discs can't be lifted out of work by the roller riding over an obstacle or undulation in field. The depth can be adjusted from +3 to -13cm in 5mm increments.



KRM Sola

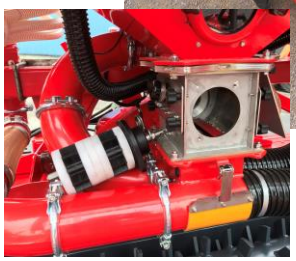
Pressurised Hoppers

300 Litre Hopper

The pressurised hopper with sealed, weatherproof lid eliminates air loss from the distribution system resulting in more precise metering and distribution of the seed.

Precise, Even Metering

The central fluted roller accurately meters all seed types from small seeds such as clover and grass seeds to cereals, peas and beans in rates from 2 to 400kg/ha. The metering unit can be fully taken apart without tools for quick and thorough cleaning.

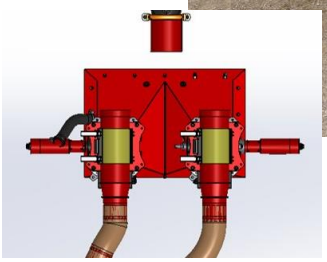


2000 Litre Hopper

For higher application rates and greater daily work rates, a 2000 litre hopper is available. This enjoys the same benefits of being pressurised as the 300 litre version.

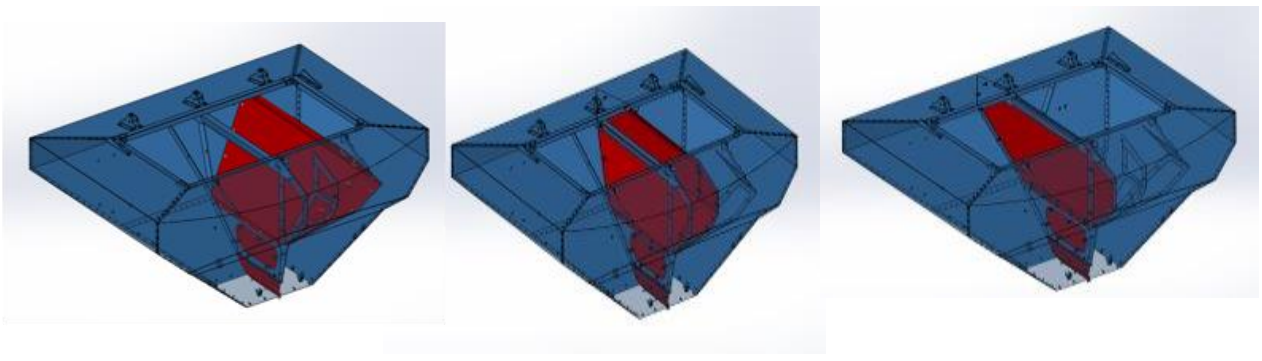
Double Metering

The 2000 litre hopper can be supplied with 2 independently driven metering units, this allows two separate products to metered and delivered to each coulter.



Split Hopper

For double metering, the hopper can be split (factory fit option) to accommodate two products, typically seed and fertiliser, three ratio's are available 70:30, 60:40, and 50:50.



GS300 Direct Drill

Even Consolidation

Good seed soil contact is essential for rapid even germination which is especially important when new varieties need to compete with existing cover.

Prism Roller

The full width prism roller is made up of fixed 450mm wheels and floating 500mm wheels which create a self cleaning system. The profile of the prism rings work the surface crushing clods and pinching the seed to leave a weatherproof, pest proof finish. The weight of the cast rings is transferred to the coulter discs aiding penetration in tough conditions.

Self-aligning Bearings

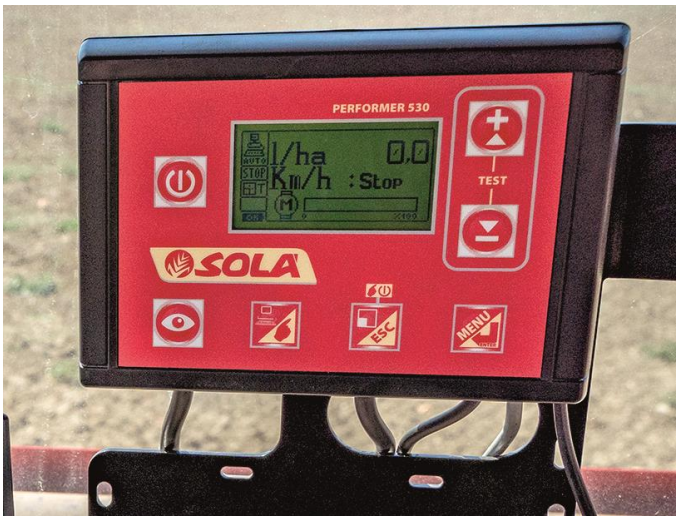
The self-aligning bearings are mounted within the roller for better stability. The narrow support arms reduce gapping in the roller to consolidate the full working width.

KRM Sola

Elektra . . precise control at your fingertips !

Elektra ISObus Controlled Metering

Precise control of sowing rate and even seed spacing in the row are vital in modern crop production. New herbal mixes, multi species and companion crops have lead to reduced sowing rates. The KRM Sola GS300 uses a newly developed central system for precise, gentle and versatile metering for all seed types from small seeds such as clover, grass seed, wild bird mixes and cover crops including peas and beans. The metering unit, driven by an electric motor, has a choice of control systems.



Performa Control

The Performer control box is compatible with the 300 litre hopper and single product 2000 litre hopper, this intuitive, simple to use interface provides the operator with key information in work and simple calibration and setting.

ISObus Control

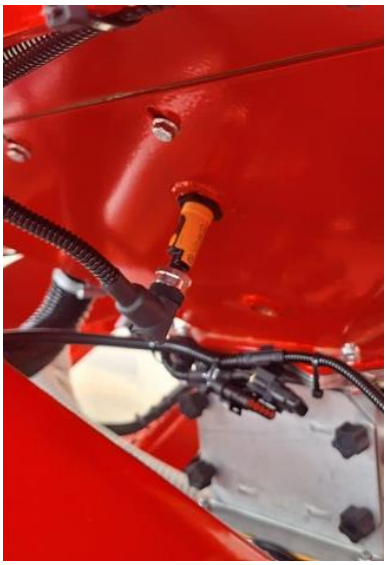
Utilise the tractor's existing terminal or 3rd party ISObus display (available separately) for operation of the GS300. Through ISObus up to 3 metering units can be controlled eg seed and fertiliser in a split 2000 litre hopper and a clover in an additional MiniSeed hopper. Providing the terminal is unlocked, ISObus offers variable rate, auto on off and guidance.

GS300 Seed Drill

Standard Specification Includes;

A new calibration system is conveniently located at the rear of the drill. The operator can quickly and accurately set the desired application rate from one initial calibration.

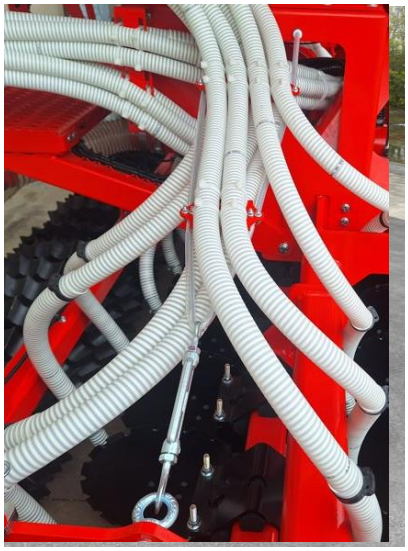
The convenient rear platform and steps allow for easy access to the hopper for cleaning and loading. Loading height of the 2000 litre hopper is 2.2m.



A hopper low level sensor warns the operator when the seed is running out.

A hydraulic motor provides the air stream for the seed ensuring even seed flow with the various seed types at high application rates, whilst saving fuel through lower engine revs.

Road lights, marker boards and work lights all come as standard, ensuring safety and good visibility when working into the night.



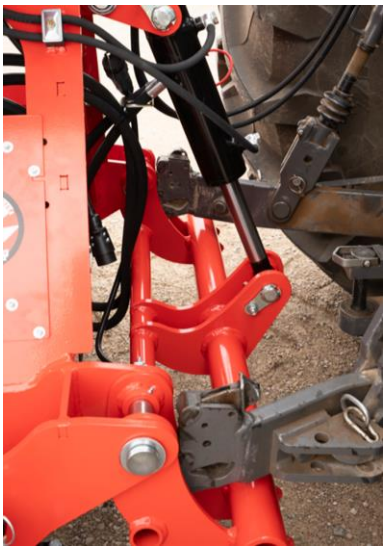
30mm diameter hoses with UV protection are supported on wire ropes and sleeved at crucial points to ensure a long and trouble free service life.

KRM GS300: TECHNICAL SPECIFICATION

Compact, Close Coupling

The GS300 features a compact design, giving great strength with the minimum of weight. The close centre of gravity allows the use of a smaller and lighter tractor, so reducing compaction. The low hopper and built in platform provide easy access for filling the hopper and cleaning when changing seed type or variety.

Optional Equipment:



Optional weight transfer system can provide up to 650kg of additional weight (at 75Bar) to ensure uniform seeding depth in tough conditions.

An additional 300 litre hopper can be supplied allowing an extra product to be independently metered and applied through spreader plates behind the roller.

Choosing a split hopper with double metering units allows two products to be applied simultaneously, eg seed and fertiliser or two seed types.

Model	Working Width	No of Coulters	Row Spacing	Weight 2000lt	Coulter Pressure	Overall Length	Disc Spacing
GS300/24	3m00	24	12.5cm	2450	100kg 130kg*	1.65m	600mm
GS300/32	3m00	32	9.4cm	2940	92kg 112kg*	1.65m	600mm

* With 650kg additional weight provided by the optional weight transfer system.

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