KRM

Soladrill Neu-P

3m ~ 4m Sowing Widths

Combination Seed Drill

KRM Sola

A drill for all seasons !

The KRM Sola Neu-P Combination Drill in 3m and 4m widths

Whether it is a wet sowing season with sticky, difficult conditions or a dry one with hard, cloddy seedbeds, it is important in today's intensive cereal growing systems to have a drill which will produce Quality Sowing in the widest range of conditions. The KRM Sola Neu-P seed drill with choice of tine or double disc coulters allows better management of crop establishment in all conditions. Choose the Sola Neu-P for fast drilling for high daily work rates in favourable "reduced tillage" or plough/press seedbeds, but still ensure Quality Sowing in uncertain or wet conditions. . . all with one drill, and when most other drills would be parked in the barn!

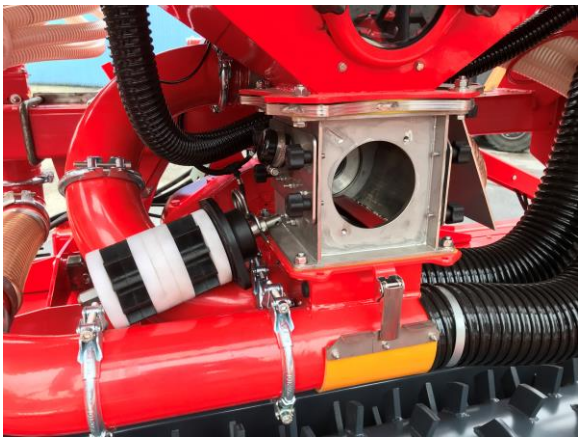
Extensive development by Sola on the coulter systems and seed metering have been included in the Neu-P Combination Drill. The result . . . **KRM Sola Quality Sowing** combined with versatility means better germination and more even crop emergence for optimum use of inputs. This leads to reduced sowing rates, to lower establishment costs and to improved crop margins.

Neu-P Seed Drill

New Pressurised Hopper

The Neu-P features a 2000lt. capacity pressurised hopper with sealed weatherproof lid, this ensures there is no air loss from the distribution system into the hopper, as occurs in traditional systems. This means that the high speed airstream from the hydraulic drive fan is more effectively and efficiently used to give precise distribution of seed to each coulter and ensures that the seed flow from the hopper to the metering unit is consistent from hopper full to empty, even when working on slopes.

A further benefit is that the seed distribution heads and all pipework are outside the hopper giving easier access for filling and fast, easy and complete cleaning when changing seed type or variety.

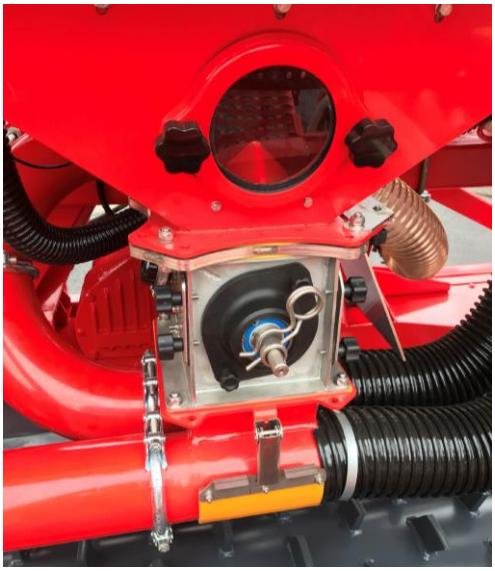


New : Precise, Even Metering

The KRM Sola Neu-P drill uses a new stainless steel central metering system for precise, gentle and versatile metering. The central fluted roller accurately meters all seed types from small seeds such as oilseed rape, linseed, and grass seeds etc, to cereals, peas and beans. The pressurised hopper encourages gentle, even flow of difficult seeds and dressings into the metering unit without agitation. The metering unit can be fully taken apart without tools for quick and thorough cleaning.

New : Easy and Accurate Calibration

A new calibration system for this drill is conveniently located at the rear of the drill and enables the operator to quickly and accurately set the desired sowing rate from one initial calibration. Simply pressing a button to collect an amount of seed and entering this into the Elektra ISObus means the metering unit is then automatically set to precisely the rate required. Any residual seed can quickly be emptied using the windowed trap door above the metering unit for fast change between seed types.



KRM Sola

Accurate Seed Placement in all soils

Independent trials have long proved that precise depth control is the most important factor if a crop is to achieve full potential. Ensuring an accurate depth, results in more even germination and emergence, so that each plant is at the same growth stage through to maturity. Crop maintenance agro-chemicals and fertilisers therefore have the maximum effect for optimum use of inputs.

KRM Elite Tine Coulter

Positive depth control

Elite Tine coulters are mounted in three rows of equal length arms for each row. A heavy duty spring, positioned at a shallow angle below the tine, ensures that for each movement of the tine tip, there is only a small corresponding movement of the spring . . . resulting in more even pressure and therefore sowing depth as the coulter moves to follow the ground surface. The system achieves equally good results in shallow drilling (rape) or deep drilling (peas) or when soil conditions vary.

High clearance coulters

The 3 rows of high clearance and large stagger *Elite* coulters allow material to flow through in the most difficult cloddy, stony or incorporated min-till seedbeds without blockage. Short coulter arms allow high forward speeds without “bounce” for increased daily work rates. The special *Elite* coulter tip is shaped to give positive penetration and trash clearance but not lift wet, cloddy soil. Central depth setting working through a parallelogram linkage ensures pressure on all coulters is identical for constant depth setting. Individual coulter pressure can be adjusted if required.

Low operating costs

The tip of each coulter is designed to maintain the same shape and therefore sowing performance as wear occurs. The tip is easy and low cost to replace. The narrow profile produces Quality Sowing using less horsepower, less fuel and in less time so significantly reduced operating costs.

Neu-P Seed Drill

KRM Double Disc Coulter

For working in reduced tillage or conventional seedbeds, when precise control of sowing depth is required, KRM alongside Sola have developed a Double Disc coulter system for positive penetration and depth even at higher forward speeds, but with minimal disturbance of the seedbed to conserve moisture and prevent secondary weed germination, such as Blackgrass.

Double Disc versatility

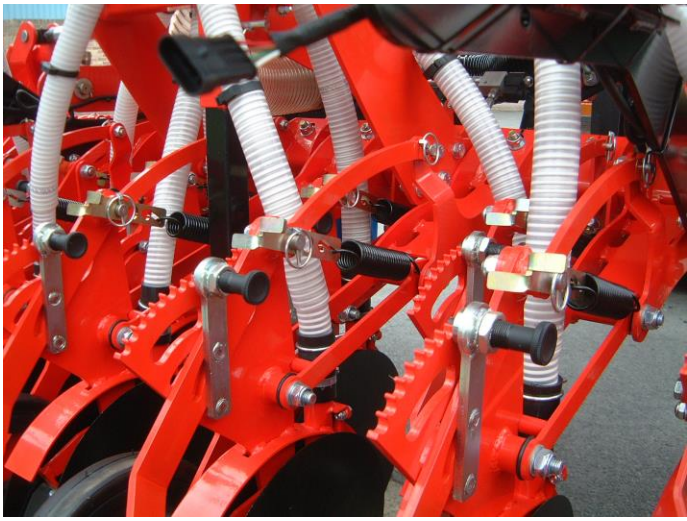
To achieve this, each double disc coulter consists of two 350mm diameter boron steel flat discs. The discs are staggered to leave a narrow seed furrow. This minimises the movement of soil to create the ideal seed furrow, but also provides a self-cleaning effect to prevent blockage when working in high residue or difficult seedbeds. A cover prevents material getting between the discs and constant cleaning of the inside of the discs by a special scraper maintains the efficiency of the disc coulter, even in wet conditions. Discs are mounted on maintenance-free ball bearings and can be adjusted for wear to maintain the correct spacing between the discs.

Parallelogram linkage precision

The disc units are mounted in a parallelogram linkage with hardened bearing bushes. The linkage ensures that the “angle of attack” of the double disc is maintained to ensure precise depth at shallow or deeper sowing depths or as the coulter follows ground contours.

Accurate sowing depth control

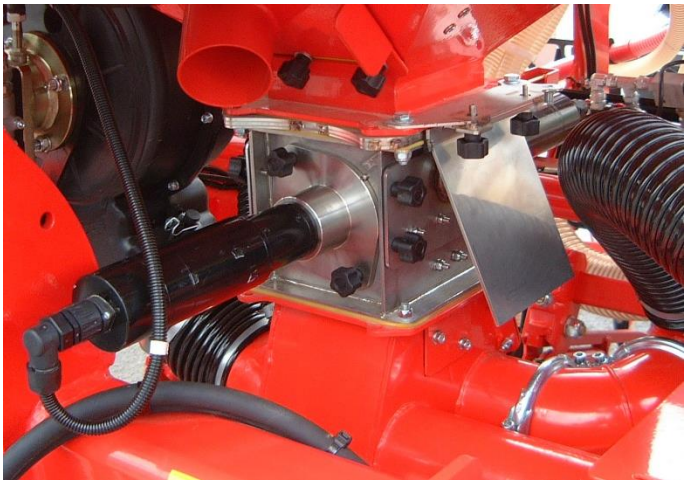
A rubber depth control wheel behind each double disc coulter ensures that seed is always placed at the same depth, even in varying soil conditions and even when operating at higher forward speeds. Pressing of the soil by the depth control wheel provides positive seed to soil contact, close to moisture for rapid germination and emergence. Unconsolidated soil between the rows allows rain water to drain and reduces the risk of erosion.



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 cereal growing management. New varieties and seed dressings have led to reduced sowing rates. The KRM Soladrill Neu-P uses a newly developed central system for precise, gentle and versatile metering for all seed types from small seeds such as oilseed rape, linseed, grass seeds etc to cereals, peas and beans.

ISObus in-cab control of all functions includes 2+2 tramlines and full monitoring includes fan speed and hopper seed level.

The Elektra ISObus controls the electric drive to the metering unit and gives the operator fingertip control of:

Automatic rate calibration : simply input the seed weight collected during the calibration procedure and the required sowing rate, then the ISObus will automatically adjust the metering to the precise setting for the target sowing rate.

On-the-move rate adjustment : at the touch of a button, the operator can increase or decrease the sowing rate to suit the needs of individual parts of the field . . . for more efficient and optimum use of expensive seed.

Automatic On/Off : can be set up in the ISObus for automatic on/off seeding control at headlands. This accurate start/stop prevents over-sowing or misses and allows the centre of the field to be drilled leaving an accurate headland border. Neu-P is ready prepared for auto on/off section control at headlands and for variable seed rate. Both left and right half width Section Control is available as an option.

Variable Rate : the Neu-P is ready prepared to follow GPS variable rate sowing maps.

Neu-P Seed Drill

Built for high performance

Compact, close coupling

The power harrow mounted Neu-P 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 seedbed compaction. The low hopper simplifies filling the hopper with big bags of seed. 3m, 3.5m and 4m versions are available.

The hydraulic fan provides a high speed filtered airstream and saves fuel by not having to run the tractor at full Pto speed.

Sowing depth can quickly be set by ratchet adjusters against a conveniently positioned scale for reference.

Loading platform with handrail and access steps for easy and safe access for checking hopper contents and filling.

Two rows of staggered following harrow tines leave a level seed bed finish. Tine pressure can quickly be adjusted to suit seedbed conditions.

Road lights including reflector boards are mounted on the following harrow. Work lights, operated via the ISObus system also come as standard.

The full opening sealed hopper lid accommodates all filling methods from Big Bags to Bulk. Hopper pressure is displayed on a gauge.

KRM Sola 2512 : TECHNICAL SPECIFICATION

Heavy Duty Bout Markers as standard

Vertical folding bout markers, mounted directly onto the power harrow (dependent on make) for strength, are compact for easier drilling on headlands or around obstructions. The markers can be adjusted for wheel mark or for centreline mark for more easy and accurate driving at high forward speeds. The large diameter discs are designed to leave a clearly visible mark in the most difficult seedbeds.

The heavy duty markers incorporate shear bolt protection in the event of accidental contact or collision.

Standard Equipment includes :

- 2000 lt. hopper capacity
- Sealed, wide opening hopper lid
- Hopper screen
- Hopper access steps and platform
- Central Metering unit
- Elektra ISObus ready metering drive
- Heavy duty 2 row following harrow
- 2+2 shut off tramline control
- Sensors for hopper level, fan, forward speed
- Tine coulters in 3 rows
- Double Disc coulters in 2 rows
- Parallelogram mounted coulter frame
- Central depth setting adjustment
- Hydraulic drive fan
- Fan inlet chimney
- Full road and working lights
- Parking legs
- A-frame attachment for KRM and others

Optional Equipment includes :

- Automatic 2 disc Pre-Emergence Marker
- Electric half width sowing shut-off
- 3 + 3 Tramline shut off
- Individual row manual shut off valves

Model	**300-24**	**300-20**	**350-28**	**350-24**	**400-32**	**400-28**
Coulter	Tine	D-Disc	Tine	D-Disc	Tine	D-Disc
Number of Rows	24	20	28	24	32	28
Row Spacing cm	12.5	15	12.5	15	12.5	15
Working Width m	3m00	3m00	3m50	3m50	4m00	4m00
Hopper Capacity lt.	2000	2000	2000	2000	2000	2000

Keith Rennie Machinery Ltd. Roecliffe. Boroughbridge. N.Yorkshire YO51 9LS

Tel: 01423-324221 Fax: 01423-324355 E-mail: info@krm-ltd.co.uk www.krm-ltd.co.uk