

SEED BED COMBINATION KORUND 8

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AGROVISION
COMPANY





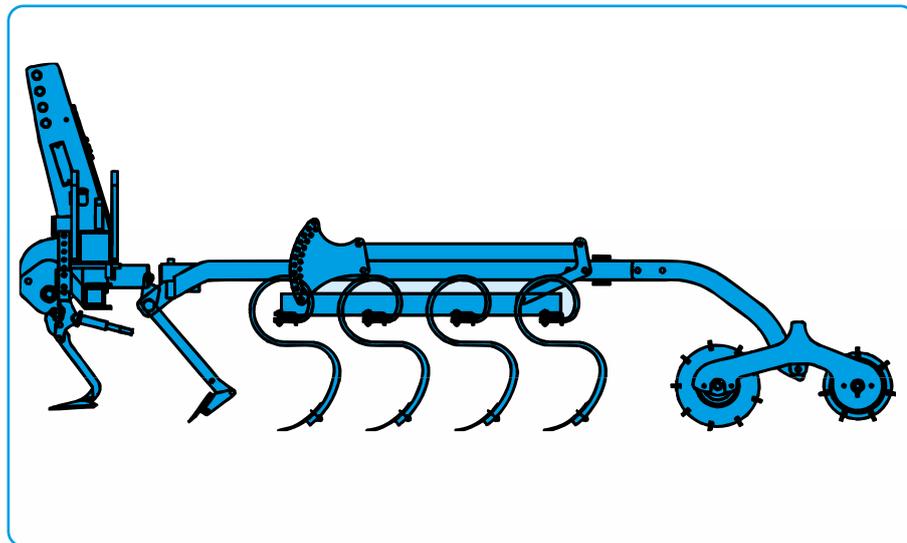


Basis for optimum crop establishment

The constant strive to control input costs, coupled with the need to optimise timing of crop establishment, demands machines which combine high work quality with high output. For this reason, many farmers choose large mounted machines taking advantage of their high daily output. Compared to PTO-driven machines, passive seedbed combinations can often deliver a higher output with reduced operational costs. They are becoming particularly common when preparing seedbeds for maize, oilseed rape and row crops. With its System-Korund seedbed combinations, LEMKEN offers an implement with versatile equipment options that fulfil all arable farming requirements associated with perfect seedbed preparation.

An ideal seed bed forms the basis of optimum crop development. The cultivated soil should be well levelled and uniformly tilled across the entire implement width and working depth. Vitally important, is the seed horizon on which the seed is sown. It has to be excellently reconsolidated to ensure an ideal water supply. A tilled structure with fine soil in the seed area, and more cloddy soil on the surface, guarantee perfect field emergence. The System-Korund generates the best conditions to achieve this.

Modern seed bed cultivation system



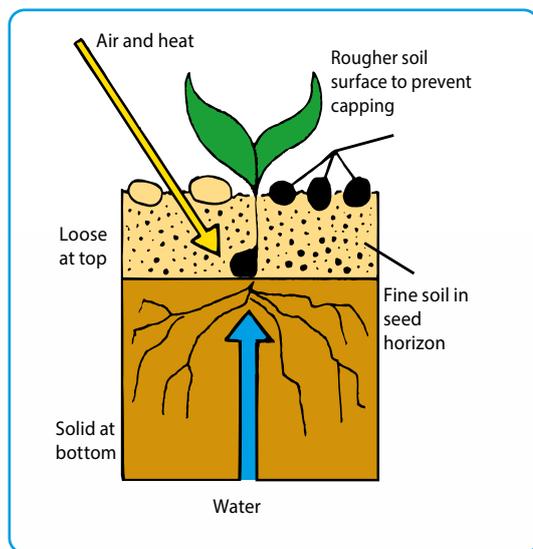
Versatile equipment

The System Korund seed bed combination with its versatile equipment options and range of working widths, is a powerful alternative in the area of soil preparation.

Parallel linkage of the implement sections provides good contour following and uniform working depth. Easy-to-adjust tools and hydraulic folding for wider machines ensure that the setting-up times are significantly reduced and area capacity increased.



A better seed bed



An ideal pulverized structure

The ideal conditions for germination and emergence include fine soil at seed depth, good consolidation, and a rough soil surface to prevent capping. The Korund levelling bar and tine sections provide these conditions, with the rear roller crushing any large clods left on the surface.

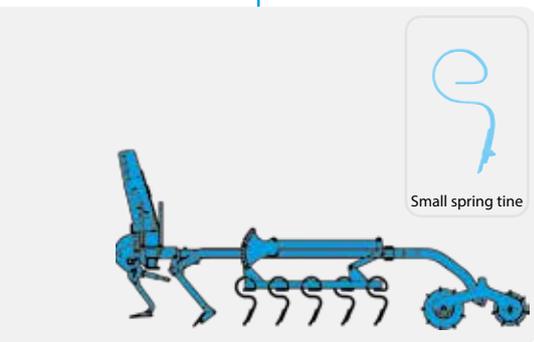


Versatile equipment options



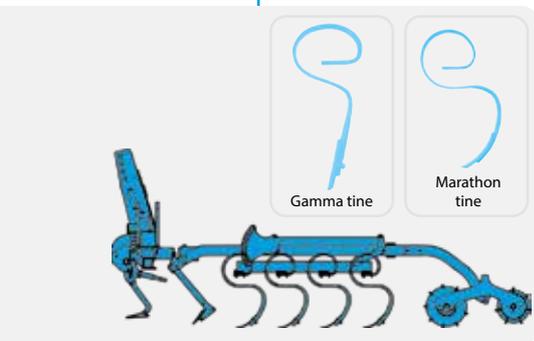
Strong spring-steel supporting arms

The use of premium-quality steel, for the frame, guarantees outstanding strength and long service life. The resilient supporting arms made of solid spring steel can absorb greater impact loads. The tractor and implement are therefore protected, in particular, when driving on the road and at the headland.



Small spring-tine section

The small spring-tine section allows 5 rows of straight tines with point. 25 tines spaced 60 mm apart create a uniform loosening effect during shallow seed bed cultivation. Reversible shares reduce costs for wearing parts.



Marathon tine section

The marathon tine section allows 4 rows of tines with point. 16 marathon tines spaced 98 mm apart create a uniform soil breaking effect during deeper seed bed cultivation. Reversible shares reduce costs for wearing parts. Gamma tines can be fitted, instead of marathon tines, providing excellent soil breaking and crushing on heavy or waterlogged soil.



Multi-levelling bar contact pressure

The contact pressure of the multi-levelling bar can be adjusted with the spindle adjustment. The grading effect of the spring-mounted multi-levelling bars guarantees optimum levelling of the seed bed even under difficult conditions such as deep tractor tracks or an uneven ploughed surface. This allows the tine sections to operate at shallower depths thereby reducing fuel consumption. If the harrow sections do not provide sufficient levelling, a multi-bar can additionally be used in front of the crumblers.



Multi-levelling bar set to grip

On medium to heavy soil the multi-levelling bar is set to "Grip". This reliably compensates for any unevenness during a run. Springs support the multi-levelling bar and protect it from overloading.



Multi-levelling bar set to drag

On lighter soil the multi-levelling bar is set to "Drag". On level ground less soil piles up in front of the bar, the implement has a lower drag and it can be individually adjusted to meet the soil conditions.



Optimum seed bed cultivation



Favourable centre of gravity

The short and compact design of the System-Korund means that the seed bed combination has a favourable centre of gravity. This means it can be used with tractors with a lower lifting power.



Rear crumbler roller

The double crumbler rollers can be supplied in 'toothed' or 'tubular' formats with a diameter of 330 mm at the front and 270 mm at the rear. Large, maintenance-free, sealed ball bearings guarantee a long service life. Automatic locking of the crumbler rollers stabilises the implement sections when in the working position and prevents any jamming when folding in.



Optimum soil adaptation

The roller arrangement ensures uniform pressure distribution to achieve an optimum tilling and levelling effect. The pendulum-suspended rollers can run over any obstacles without lifting the entire implement. The robust roller design made of an 8 mm thick profile steel guarantees long service life.





Precise working depth

Parallel linkage of the tine sections guarantees precise guidance and therefore a uniform working depth. The tine angle generates an increased pull-in force, which results in greater pressure being exerted on the rollers. This in turn helps to achieve optimum levelling and tilling. The setting for the working depth, of the individual harrow sections, between 3 and 15 cm is precisely conducted by means of pin-and-hole adjustment system.



Hydraulic folding

Machines with a working width of 4.5m, and above, fold hydraulically for transport. 7.5m and 9m models incorporate a cable to ensure the multiple sections fold without colliding with each other.



Compact transport

All System-Korund versions are available with a transport width of 3 m and a transport height of less than 4 m. Hydraulic locking ensures that the implement is secured when being transported.



Technical data

Description	Working width apprx. cm	Tractor Power HP	kW	Number of tines	Weight apprx. kg
Marathon tines with point					
System-Korund 300 L MARA	300	75 - 105	55 - 77	32	872
System-Korund 450 L MARA	450	110 - 155	81 - 114	48	1,410
System-Korund 600 L MARA	600	150 - 210	110 - 154	64	1,952
System-Korund 750 L MARA	750	185 - 265	136 - 195	80	2,860
System-Korund 900 L MARA	900	225 - 315	165 - 232	96	3,268
Gamma tines with point					
System-Korund 300 L GAMMA	300	75 - 105	55 - 77	32	872
System-Korund 450 L GAMMA	450	110 - 155	81 - 114	48	1,410
System-Korund 600 L GAMMA	600	150 - 210	110 - 154	64	1,952
System-Korund 750 L GAMMA	750	185 - 265	136 - 195	80	2,860
System-Korund 900 L GAMMA	900	225 - 315	165 - 232	96	3,268
Small spring tines, straight with point					
System-Korund 300 L GARE	300	75 - 105	55 - 77	50	848
System-Korund 450 L GARE	450	110 - 155	81 - 114	75	1,374
System-Korund 600 L GARE	600	150 - 210	110 - 154	100	1,904
System-Korund 750 L GARE	750	185 - 265	136 - 195	125	2,800
System-Korund 900 L GARE	900	225 - 315	165 - 232	150	3,196

All specifications, dimensions and weights are subject to continuous technical development and are therefore not binding. The weight specifications always refer to the basic equipment. Subject to change.



WE'RE **HERE FOR YOU**

Supplying high-quality original wear parts

Our original LEMKEN wear parts ensure that your LEMKEN machine stays what it is: the genuine product. Whichever machine you need a spare part for, we ensure that the original parts are always available for all LEMKEN machines. Not only in the short term, but for years to come.

Delivering spare parts speedily

The right parts at the right time in the right place — this is how a reliable replacement parts service should operate. Our professional logistics handling service ensures we can supply a wide range of replacement parts at speed, whenever and wherever they are needed.





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