

SEED BED COMBINATION  
**KORUND 8**





**Basis for optimum crop establishment**



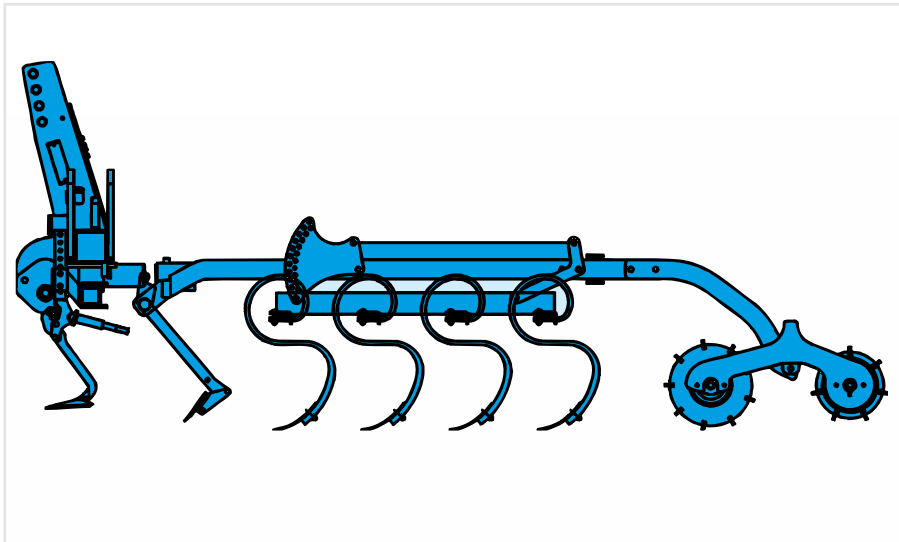
The constant strive to control input costs, coupled with the need to optimise timing of crop establishment, demands machines which combine high work quality with high output. For this reason, many farmers choose large mounted machines taking advantage of their high daily output. Compared to PTO-driven 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.

Vitaly 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



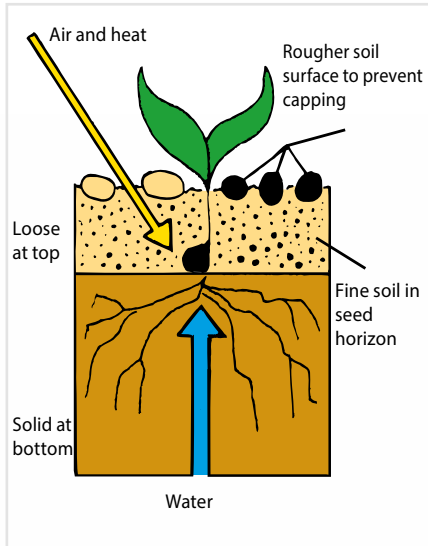
The System Korund seed bed combination with its versatile equipment options and range of working widths, is a powerful alternative in the area of soil preparation. Parallel linkage of the implement sections provides good contour following and uniform working

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.



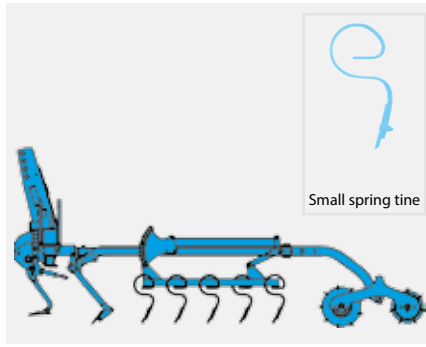
# Versatile equipment options



## Strong spring-steel supporting arms

The use of premium-quality steel, for the frame, guarantees outstanding strength and long service life.

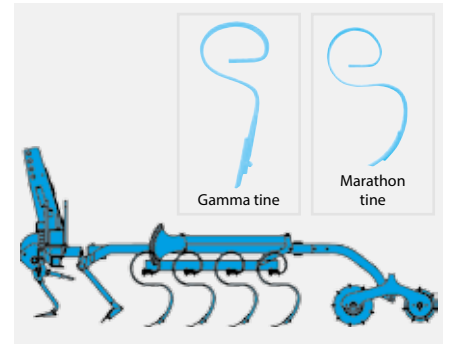
- The resilient supporting arms made of solid spring steel can absorb greater impact loads. The tractor and implement are therefore protected, in particular, when driving on the road and at the headland.



## 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	
<b>Marathon tines with point</b>						
System-Korund 300 L MARA	300	65 - 115		48 - 85	32	872
System-Korund 450 L MARA	450	95 - 145		70 - 107	48	1,410
System-Korund 600 L MARA	600	105 - 175		77 - 129	64	1,952
System-Korund 750 L MARA	750	125 - 215		92 - 158	80	2,860
System-Korund 900 L MARA	900	145 - 245		107 - 180	96	3,268
<b>Gamma tines with point</b>						
System-Korund 300 L GAMMA	300	65 - 115		48 - 85	32	872
System-Korund 450 L GAMMA	450	95 - 145		70 - 107	48	1,410
System-Korund 600 L GAMMA	600	105 - 175		77 - 129	64	1,952
System-Korund 750 L GAMMA	750	125 - 215		92 - 158	80	2,860
System-Korund 900 L GAMMA	900	145 - 245		107 - 180	96	3,268
<b>Small spring tines, straight with point</b>						
System-Korund 300 L GARE	300	65 - 115		48 - 85	50	848
System-Korund 450 L GARE	450	95 - 145		70 - 107	75	1,374
System-Korund 600 L GARE	600	105 - 175		77 - 129	100	1,904
System-Korund 750 L GARE	750	125 - 215		92 - 158	125	2,800
System-Korund 900 L GARE	900	145 - 245		107 - 180	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.



# Service decides



When you have bought a machine from LEMKEN, the well-known, almost proverbial LEMKEN service starts. 18 customer-oriented factory branches and outdoor storage areas in Germany as well as our own sales companies and importers in more than 40 countries, and a strong dealer network, ensure that machines and spare parts are supplied quickly.

If a part is not in stock, it can be delivered to the customer within 24 hours via the LEMKEN logistics centre which is manned round-the-clock 365 days a year.

## **Knowledge from the LEMKEN specialist**

Well trained customer service technicians are available to farmers,

contractors and trade, who are using machinery for the first time, as well as for professional maintenance and repairs. Thanks to regular training courses, LEMKEN customer service is always up to date with the latest LEMKEN technology.

## **Original spare parts from LEMKEN**

LEMKEN wearing parts are designed for a maximum service life. High-quality materials, the latest production methods, and an intensive quality control ensure a long service life. Therefore, all original spare parts bear a unique identification with the registered LEMKEN trademark. Original spare parts can be ordered at any time online on the Internet via the LEMKEN information and ordering system.



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