

# SEED BED COMBINATION SYSTEM-KOMPAKTOR

 **LEMKEN** THE  
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 semi-mounted machines taking advantage of their large daily output and ability to follow the ground contours to give a uniform working depth. 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 a seedbed for maize, oilseed rape and row crops. With its System-Kompaktor 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-Kompaktor generates the best conditions to achieve this.

With the LEMKEN System-Kompaktor in working widths of 3 to 6 m the seedbed can be cultivated in a single pass.

It is the ideal implement to achieve a finely tilled, uniformly deep, well reconsolidated seedbed, in particular for sugar beet and fine seeds such as rape.

# A better seed bed

## An ideal tilled structure

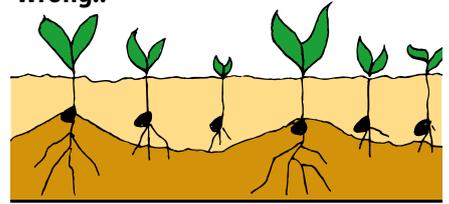
The front tilling roller tills the soil, which is then levelled by the cutting bar.

The two rows of tines with duckfoot blades ensure the entire seedbed is cultivated to a uniform depth. Parallel linkage of the sections guarantees precise guidance and therefore a uniform working depth from left to right and front to back.

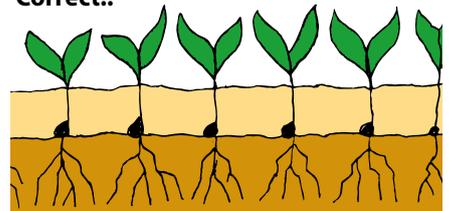
The shallow angle of the tines generates an increased pull-in force, which results in greater pressure on the tilling rollers. This ensures optimum levelling and tilling. The previously tilled and levelled soil is further cultivated by the rear tilling roller. The cutting bar intensifies the soil tilling process of the roller, while perfectly levelling it. The fine soil and roughly tilled soil are separated, with fine soil placed below, and more cloddy soil on the surface.

The final trailing roller ensures the soil is perfectly reconsolidated. A perfect seedbed is then made.

**Wrong::**



**Correct::**



Air and heat

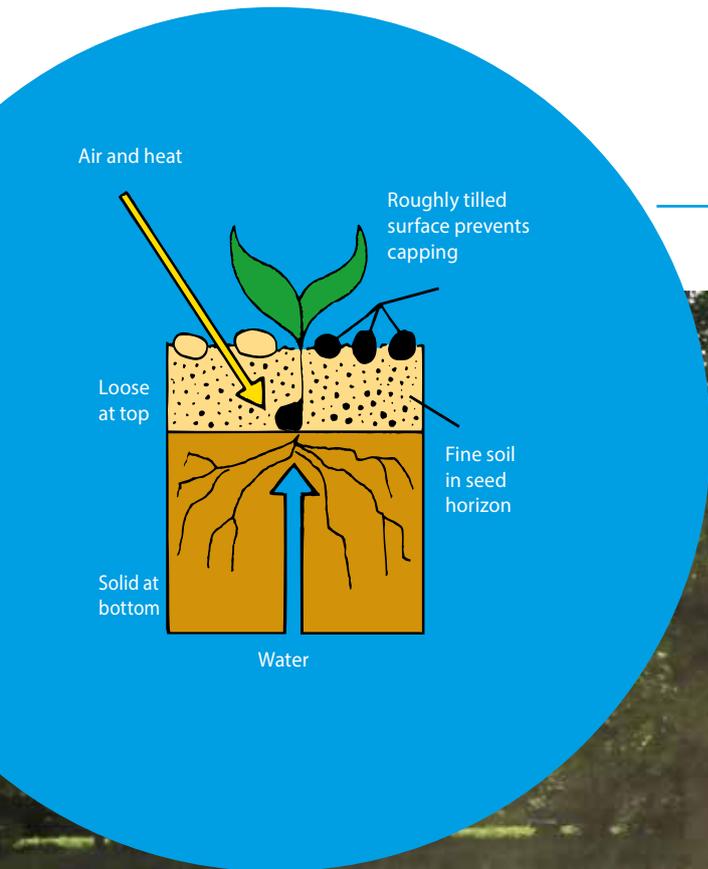
Roughly tilled surface prevents capping

Loose at top

Solid at bottom

Water

Fine soil in seed horizon

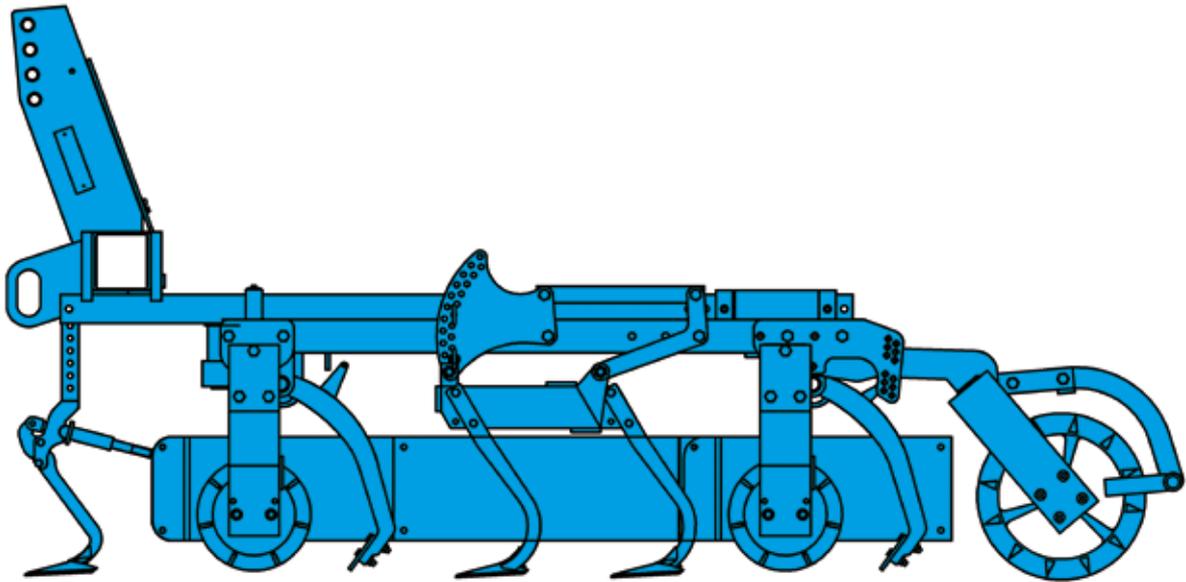


# Modern seed bed cultivation system

## Technology with multiple benefits

The System Kompaktor frequently achieves the required working quality in only a single pass. Area capacity is significantly greater than that for PTO-driven implements. The System Kompaktor creates the basis for uniform seed growth with high field emergence.

The specified working depth can also be exactly adhered to even with shallow seed cultivation. Versatile tool and roller combinations enable optimum tilling and reconsolidation of the seedbed to be achieved, adapted to the given soil conditions.



# The right System-Kompaktor for any job



## Stable spring-steel supporting arms

The use of premium quality steel for the frame guarantees outstanding durability 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.



## Uniform levelling

The stable flat bar and cage tilling rollers are supported in ball bearings and together with an adjustable cutting bar they are ideal for levelling the surface. The cutting bar feeds spoil to the tilling roller, whereby the tilling and levelling processes are intensified. The intensity of the soil supplied by the cutting bar in the tilling rollers is adjusted with a spindle adjustment. The optional hydraulic cutting bar adjustment is advisable for changing soil conditions. Springs protect the cutting bars against any overloading. The continuous, height-adjustable side plates guarantee perfect work without ridges at the side.



## Variable track looseners

The duckfoot, or narrow share, track looseners can be fitted easily and adjusted steplessly to any tractor and any tyre width. To prevent damage, they are fitted as standard with an automatic overload safety device. Depth adjustment can be performed quickly without any tools using linch pins in centimetre increments



## Setting up for sowing



### Overload protection device

For trouble free working even when on stony ground, the duckfoot blades are equipped with an automatic overload protection device.



### Gamma tine sections

In heavy soils or soil that suffers from waterlogging it is advisable to use gamma tines instead of the duckfoot blade sections. Tine spacing is 11 cm at a maximum working depth of roughly 12 cm. The vertical position of the tines ensures that less moist soil is shifted to the surface than for angled tines.



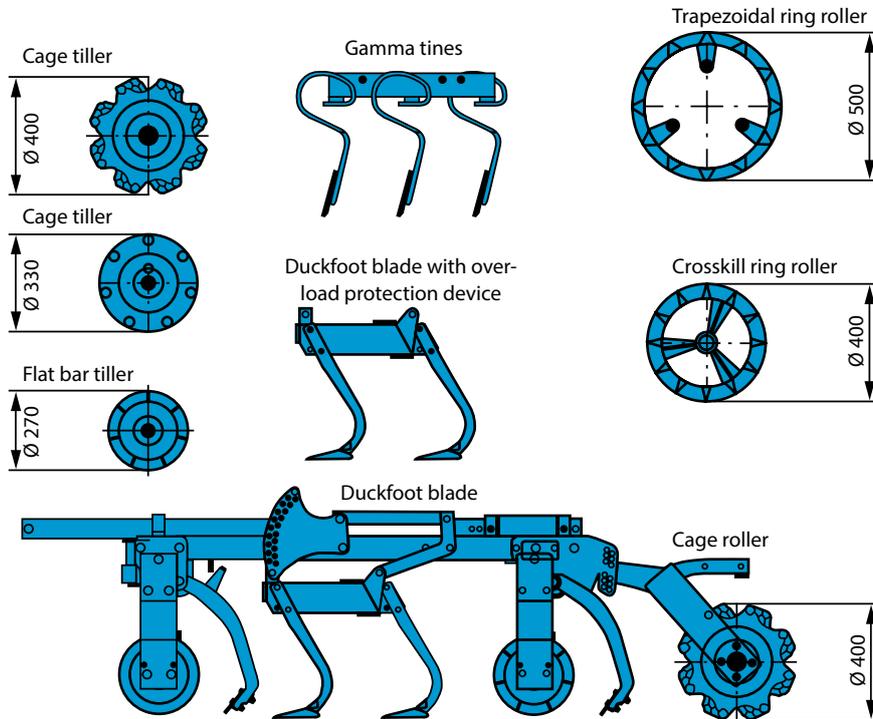
### Ideal reconsolidation

Excellent reconsolidation is guaranteed by the heavy crosskill roller. The staggered crosskill rings are meshed with each other, in a way that prevents the rings from twisting, ensuring that all the crosskill rings are ideally driven ultimately providing a uniform tilling structure. Alternatively, in wet autumn conditions, a cage roller with Ø 400 mm or a trapezoidal ring roller with Ø 500 mm can be used.



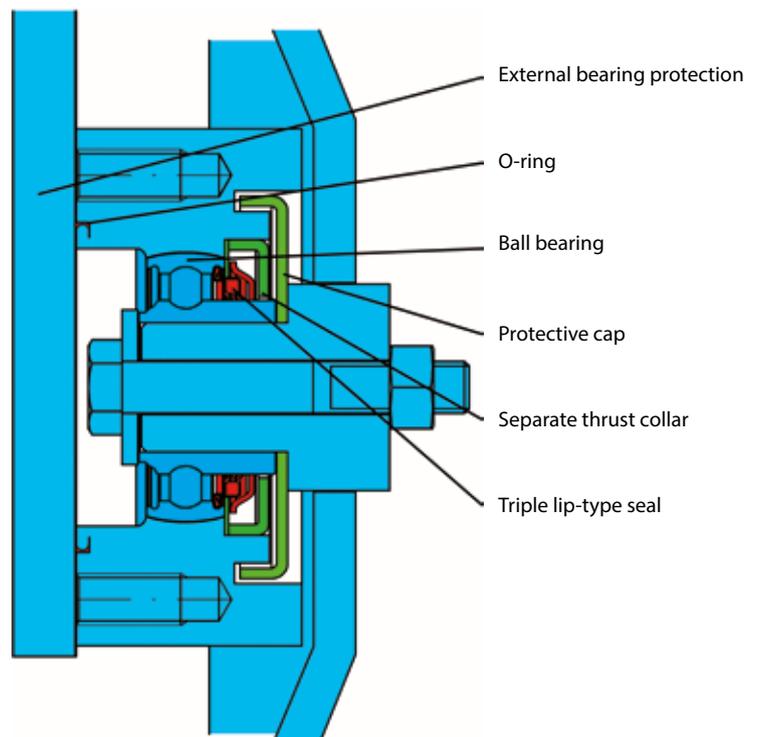
# Equipment Options

## Combination options



## Maintenance-free bearings

The new generation of maintenance-free bearings has been completely sealed thereby effectively protecting it against any soiling. This guarantees a high service life. The round shape of the bearing housing prevents any foreign bodies and stones from being trapped in it. If, however, a bearing has to be replaced then an additional interface on the frame makes the process significantly easier.



# Cost-efficient sowing



## Gigant system carrier

For particularly large area capacities, LEMKEN offers the Gigant system carrier with working widths between 8 and 12 m. Two System Kompaktor seedbed combinations with 2 x 4 m, 2 x 5 m or 2 x 6 m working widths are mounted to the three-point linkages. The implement's lower link automatic compensation system ensures that the working sections can be individually matched to the soil conditions. The lower links are designed such that the implement sections in the transport position are free of any rocking motion on the basic carrier frame.



## Simple transport

All LEMKEN System Kompaktor „K“ seed bed combinations, with working widths from 4 m, can be hydraulically folded to a transport width of 3 m. Semi-mounted installation as from 5 m guarantees a favourable weight distribution. When being transported, this ensures that the tractor's front axle is not relieved of too much weight, and that the rear axle is not overloaded. Because of the lower load acting on the rear-axle the tractor tyre inflation pressure can be significantly reduced. This, in turn, helps to avoid any deep tracks or soil compaction being created in the field.



# Technical data

Description	Working width apprx. cm	Tractor Power HP	Tractor Power kW	Number of tines	Weight apprx. kg
<b>Duck-foot shares</b>					
System-Kompaktor S 300 GFS	300	90 - 120	66 - 88	2 x 1,5 m	1,430
System-Kompaktor S 400 GFS	400	120 - 160	88 - 118	2 x 2,0 m	1,650
System-Kompaktor K 400 GFS	400	120 - 160	88 - 118	2 x 2,0 m	1,850
System-Kompaktor K 500 GFS	500	150 - 200	110 - 147	2 x 1,5 m / 1 x 2,0 m	2,103
System-Kompaktor K 600 GFS	600	180 - 240	132 - 177	4 x 1,5 m	2,703
System-Kompaktor K 500 A GFS	500	150 - 200	110 - 147	2 x 1,5 m / 1 x 2,0 m	3,670
System-Kompaktor K 600 A GFS	600	180 - 240	132 - 177	4 x 1,5 m	4,270
<b>Duck-foot shares with automatic overload safety device</b>					
System-Kompaktor S 300 GFSU	300	90 - 120	66 - 88	2 x 1,5 m	1,505
System-Kompaktor S 400 GFSU	400	120 - 160	88 - 118	2 x 2,0 m	1,750
System-Kompaktor K 400 GFSU	400	120 - 160	88 - 118	2 x 2,0 m	1,950
System-Kompaktor K 500 GFSU	500	150 - 200	110 - 147	2 x 1,5 m / 1 x 2,0 m	2,240
System-Kompaktor K 600 GFSU	600	180 - 240	132 - 177	4 x 1,5 m	2,851
System-Kompaktor K 500 A GFSU	500	150 - 200	110 - 147	2 x 1,5 m / 1 x 2,0 m	3,807
System-Kompaktor K 600 A GFSU	600	180 - 240	132 - 177	4 x 1,5 m	4,418
<b>Gamma tines with point</b>					
System-Kompaktor S 300 GAMMA	300	90 - 120	66 - 88	2 x 1,5 m	1,535
System-Kompaktor S 400 GAMMA	400	120 - 160	88 - 118	2 x 2,0 m	1,805
System-Kompaktor K 400 GAMMA	400	120 - 160	88 - 118	2 x 2,0 m	2,005
System-Kompaktor K 500 GAMMA	500	150 - 200	110 - 147	2 x 1,5 m / 1 x 2,0 m	2,283
System-Kompaktor K 600 GAMMA	600	180 - 240	132 - 177	4 x 1,5 m	2,872
System-Kompaktor K 500 A GAMMA	500	150 - 200	110 - 147	2 x 1,5 m / 1 x 2,0 m	3,850
System-Kompaktor K 600 A GAMMA	600	180 - 240	132 - 177	4 x 1,5 m	4,439
<b>System Trac</b>					
Gigant 10/800	800	240 - 320	177 - 235		2,630
<b>Working section with duck-foot shares tines with point</b>					
2 x System-Kompaktor G 400 GFS	2 x 400			4 x 2,0 m	3,318
<b>Working section with duck-foot shares with automatic overload safety device</b>					
2 x System-Kompaktor G 400 GFSU	2 x 400			4 x 2,0 m	3,518
<b>Working section with gamma tines with point</b>					
2 x System-Kompaktor G 400 GAMMA	2 x 400			4 x 2,0 m	3,628
<b>System Trac</b>					
Gigant 10/1000	1,000	300 - 400	221 - 294		2,830
<b>Working section with duck-foot shares tines with point</b>					
System-Kompaktor G 500 RE GFS	500			2 x 1,5 m / 1 x 2,0 m	1,659
System-Kompaktor G 500 LI GFS	500			2 x 1,5 m / 1 x 2,0 m	1,659
<b>Working section with duck-foot shares with automatic overload safety device</b>					
System-Kompaktor G 500 RE GFSU	500			2 x 1,5 m / 1 x 2,0 m	1,759
System-Kompaktor G 500 LI GFSU	500			2 x 1,5 m / 1 x 2,0 m	1,759
<b>Working section with gamma tines with point</b>					
System-Kompaktor G 500 RE GAMMA	500			2 x 1,5 m / 1 x 2,0 m	1,814
System-Kompaktor G 500 LI GAMMA	500			2 x 1,5 m / 1 x 2,0 m	1,814
<b>System Trac</b>					
Gigant 10/1200	1.200	335 - 550	246 - 404		3.080
Gigant 12 S/1600	1.600	446 - 732	328 - 539		5.490
<b>Working section with duck-foot shares tines with point</b>					
2 x System-Kompaktor G 600 GFS	2 x 600			6 x 2,0 m	3,658
<b>Working section with duck-foot shares with automatic overload safety device</b>					
2 x System-Kompaktor G 600 GFSU	2 x 600			6 x 2,0 m	4,118
<b>Working section with gamma tines with point</b>					
2 x System-Kompaktor G 600 GAMMA	2 x 600			6 x 2,0 m	3,958

# 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.





**LEMKEN GmbH & Co. KG**  
 Weseler Straße 5  
 46519 Alpen, Germany  
 Tel. +49 2802 81-0  
 Fax +49 2802 81-220  
 info@lemken.com  
 www.lemken.com

**FIND OUT MORE  
 ABOUT OUR PRIVACY  
 REGULATIONS  
 WHEN HANDING OVER  
 MACHINES HERE**



Your specialist LEMKEN dealer: