

FURROW PRESSES
VARIOPACK
FIXPACK
FLEXPACK





Ploughing with furrow presses?



Ploughing loosens and crumbles the soil, and at the same time, increases its pore volume. This introduces air and warmth into the soil, and breaks the soil capillaries. Due to tight crop rotation schedules, there is often no time for the soil to settle and for natural tilth

formation processes to take place. On the one hand, the ploughed soil should not be allowed to dry out. On the other hand, the capillary effect must be reestablished as quickly as possible for the seedbed.

Here, the LEMKEN furrow presses do an outstanding job right behind the plough. At the right moment, at the optimal degree of moisture, the topsoil is reconsolidated and large clumps are broken down. This favours tilth formation and prevents dehydration.

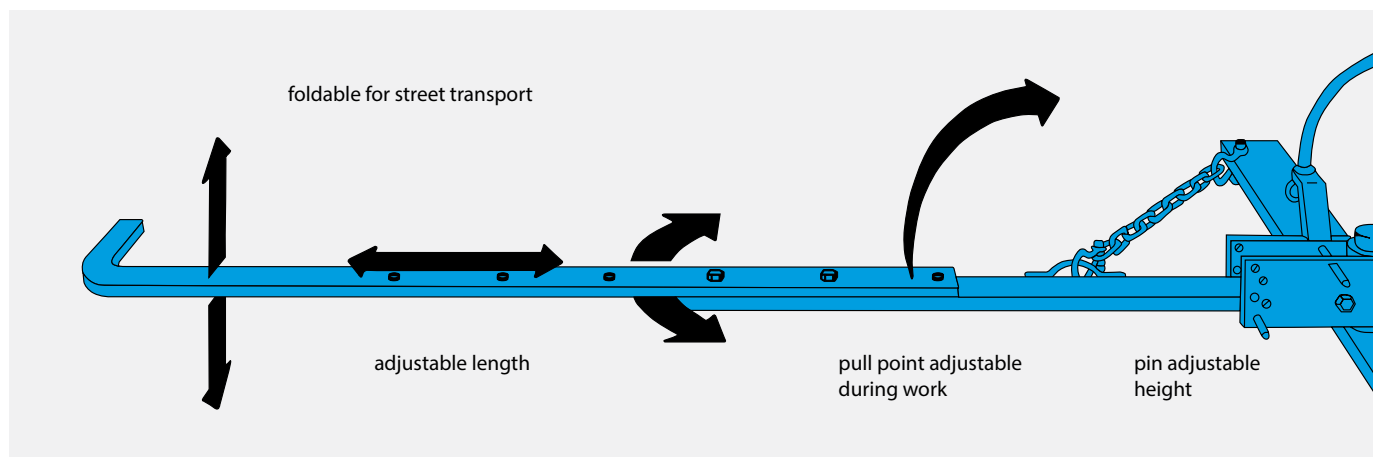
A press for every soil type

++ = optimal + = very good o = good	Single row press Ø 900 mm		Double row press Ø 700 mm		Double row press Ø 900 mm	
	Ring profile		Ring profile		Ring profile	
	30°	45°	30°	45°	30°	45°
light soil		++		++		++
light to medium soil		+	+	++		++
medium soil	+	o	++	+	o	++
medium to heavy soil	o		+		+	o
heavy soil	o		o		++	

Different Models

The LEMKEN VarioPack furrow press is available in various models:

- As a single or double-row packer
- With 700 mm or 900 mm ring diameter
- With 30° or 45° ring profile
- As a furrow press or front packer

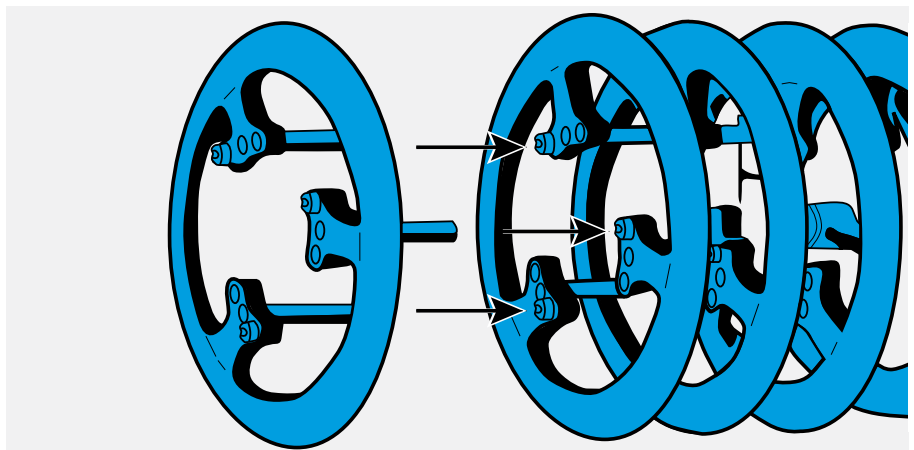


The Hook Linkage

The hook linkage, made of highly elastic tempered steel, can be adjusted to fit any plough working width, so that a new hook linkage is not required if the packer is extended in width.

- The catching point is adjustable, and is therefore perfectly positioned for any clearance height and ploughing depth.
- The pull point can be adjusted during operation, ensuring reliable guidance of the packer even on slopes, without requiring overlap.
- The rigid control rod with a contra-brake prevents unintentional swivelling of the link connection when working transverse to the slope or when the packer gets caught.

Technology that works



Variable Working Width

Thanks to the ring construction without individual hubs, the working width of the LEMKEN furrow press can be easily adjusted by adding or removing rings.

- This allows them to be precisely fitted to any plough.
- Lots of wearing material in the main usage zone ensures a long service life for the packer.



Working without Clogging

The ring shape, ring profile and the special attachment method guarantee maximum stability, breaking strength, minimum wear and thus little maintenance, even on rocky soils.

- The packer construction without a central axle prevents clogging in the inner space.

- In addition, sturdy, highly wear-resistant rubber cleaning bands with a cloth liner are available to allow the packer to work without clogging.

VarioPack in the Front – Simple and Reliable



**The Rigid FEP
Front Packer**

Due to its reconsolidation, the Vario-Pack attached to the front hydraulics prevents the tractor wheels from sinking deep into the soil and the formation of a ridge between the wheels.

- This creates optimal conditions for a uniform seedbed.
- In addition, the subsequent implements can work at more shallow depths because they no longer need to eliminate the tractor tracks.
- The front packer (FEP) is characterised by its short design, active steering, and a very favourable centre of gravity.



**The foldable FEP
during transport**

The hydraulically foldable VarioPack with mechanical steering device enables working widths of up to 6 metres with a transport width under 3 metres.

- The view to the front is not blocked by the implement frame or spokes.
- The pendulum device ensures uniform work quality on all soils through the ideal soil adaptation and the independent deflection of the lateral parts when they hit stones or other obstacles.
- It can be parked in folded position, and comes with a complete lighting system for safe road transport.



**The Mechanical
Steering Device**

The integrated mechanical steering device works via a pull point located in front of the packer.

- Sideways movement of the tractor linkage automatically adjusts the press angle to create a positive steering effect.
- The foldable front packer is available with 700 mm or 900 mm rings.



Wide Range of Options to Suit your Needs



The Versatile WEP Front Packer

Use of the push device adds versatility to a plough packer.

- This means the packer can be used for ploughing and drilling.



The Push Device

The push device in the front hydraulics for the use of towed plough packers expands the degree of utilisation of the packer.

- It is suitable for all packers with a Cat. II headstock, even machines from other manufacturers.
- The push linkage controls the mechanical steering device and provides good steering behaviour with good weight distribution, enabling precise operation.



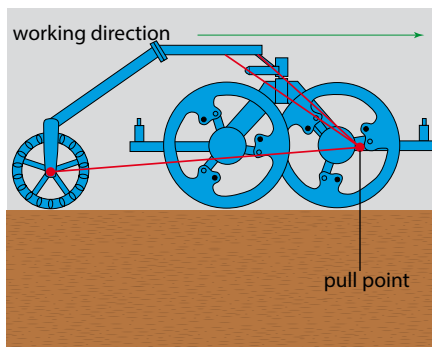
Adapted Reconsolidation

Only the double row furrow press (WDP) from LEMKEN offers the option of different working widths.

- Double packer rings work in the area between the tractor's axles, where the tyres do not roll.
- Single packer rings work together with tractor wheelings to create the same level of consolidation in that area. A more uniform seedbed can be created as a result.



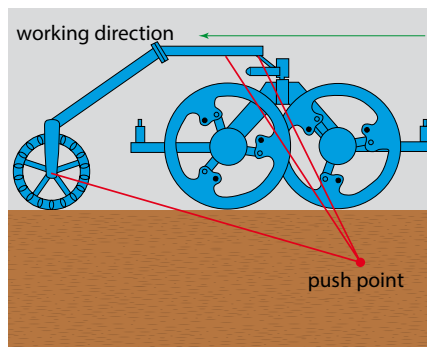
Trailed Implements



Forward Travel

There is an additional load on the trailed implement due to the low position of the pull point in the middle of the three-point spatial axis when travelling forwards.

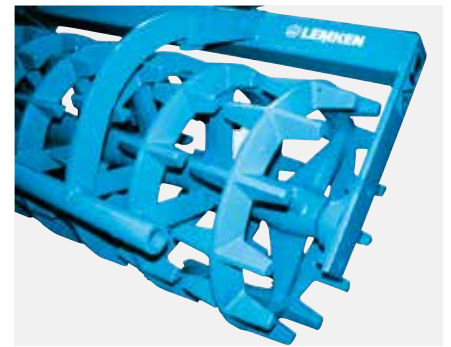
- This prevents the single-row packer from tipping or the double-packer from rearing upwards.



Turning Procedure

The pressure point is located approx. 1 m below the soil surface when turning.

- This relieves the trailed implement and prevents pushing or burying.



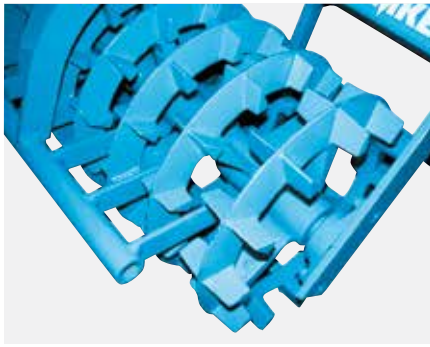
Nockenring Roller

With its large contact area, the nockenring roller is particularly well-suited for light soils.

- It ensures very good reconsolidation with low traction requirement.



High Stability under all Conditions



Crosskill Roller

With its narrow ring spacing and its special ring profile, the Crosskill roller is especially suitable for medium and heavy soils.

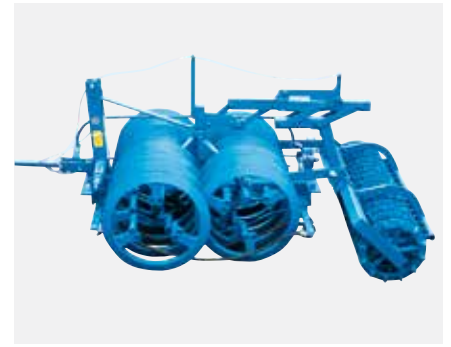
- It guarantees good reconsolidation with low risk of clogging and excellent crumbling effect.



Central Frame

Because there is no frame surrounding the packer, the trailed implement can be mounted compactly, and the turning radius is very tight.

- The trailed implement is easily mounted and dismantled, and always works on the soil that has already been reconsolidated.



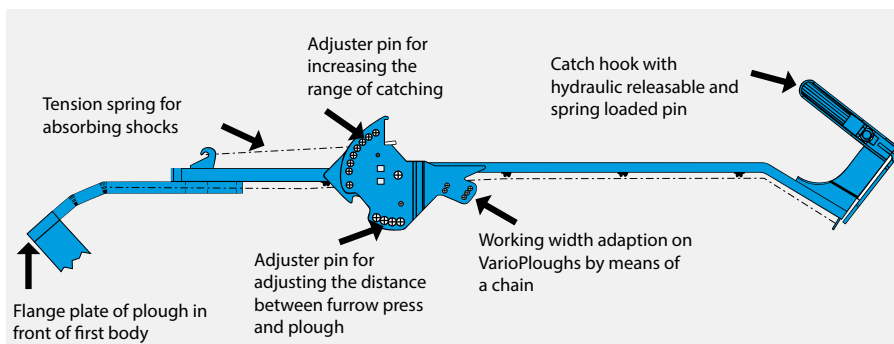
Road Transport

The linkage arm can be swivelled in and facilitates road transport

- An optimal position for the centre of gravity is achieved by pulling the roller in towards the packer, so that it can also be transported with smaller tractors.
- It is not necessary to dismount the hook linkage.



Versatile Applications



Packer Arm for the VarioPack Furrow Press

The packer arm with hydraulic release automatically swings in and out. This enables reliable catching of the packer and an optimal position of the pull point when ploughing.

- The packer arm can be adjusted comfortably and without tools using a pin, making it easy to switch between working, transport and „ploughing without packer“ position.
- The universal packer arms with hydraulic release are available for all reversible ploughs, also from other manufacturers.



FixPack Integrated Furrow Press



The Permanent Connection

The integrated FixPack furrow press remains permanently attached to the plough, even during road transport and at the headlands.

- Separate transportation of the furrow press is not required.
- Fields with wedges or obstacles can be cultivated without any problems.
- The FixPack can be used on ploughs with or without stone protection.



Road Transport and the First Furrow

For road transport, the packer roller and the plough are lifted out, rotated by 90° and mechanically locked.

- Then, the packer arm is hydraulically swivelled in parallel to the plough.
- For ploughing the first furrow, the FixPack is not dismantled, it remains swivelled in and locked in the transport position.



The Pressure Load

The pressure load on the roller can be easily and quickly adjusted.

- There is a series of holes to adjust the pressure between 400 and 800 kg.
- Optimally adjustable for all working conditions.



Rollers for all Working Conditions



The Plastic or Star Roller

The FixPack can be used with two different rollers.

- Depending on the type of soil and the desired work effect, it can be used with plastic or star rollers.



The Plastic Roller

The plastic rings are mounted at intervals of 12.5 cm on the trapeze disc roller and have a diameter of 500 mm.

- 16 rings for a working width of 2.0 m and 20 rings for a working width of 2.5 m provide good reconsolidation on light to medium soils.
- The plastic rings and the scraper prevent the soil from sticking and reduce the weight of the trailing unit. Thus, the FixPack can also be used on tractors with low lifting power.
- The special high-quality plastic ensures a long service life.



The Star Roller

In combination with an adjustable cutting bar, the star roller provides optimal levelling and crumbling especially on medium and heavy soils.

- When ploughing very heavy soils, it is recommended to use a cutting bar.
- It cuts the large clods in front of the roller and facilitates the subsequent seedbed preparation.
- The working depth of the cutting bar can be finely adjusted.

FlexPack – Furrow Press with Flexible Working Width



The FlexPack Runs Parallel to the Plough Frame

Contrary to conventional presses that have a fixed working width, the new FlexPack from LEMKEN adjusts itself automatically to the working width of the plough.

- There is no risk of double packing overlaps when the plough is used at reduced working width.
- Only the new FlexPack guarantees uniform soil reconsolidation.





Packer Rings Arranged in Pairs

Staggered pairs of packer rings with a diameter of 60 cm and a V-profile prevent clogging during cultivation.

- They provide a good packing effect without risk of sinking too deep on light soils.
- For good reconsolidation, the pressure load on the FlexPack can be adjusted hydraulically.



The FlexPack on the Headlands

It is advantageous that the FlexPack can already be used when ploughing the first furrow.

- The press can be used both on the headlands and for boundary ploughing.





Technical data

Description	Working width approx. cm	Number of rings	Weight approx. kg	
			VarioPack 110 WDP 70	VarioPack S 110 WDP 70
VarioPack 110 WPD 70	100	10	590	
VarioPack 110 WPD 70	110	11	632	
VarioPack 110 WPD 70	120	12	674	
VarioPack 110 WPD 70	130	13	716	
VarioPack 110 WPD 70	140	14	758	
VarioPack 110 WPD 70	150	15	800	
VarioPack 110 WPD 70	160	16	842	
VarioPack 110 WPD 70	170	17	884	
VarioPack 110 WPD 70	180	18	926	
VarioPack 110 WPD 70	190	19	968	
VarioPack 110 WPD 70	200	20	1,010	
VarioPack 110 WPD 70	210	21	1,052	
VarioPack 110 WPD 70	220	22	1,094	
VarioPack 110 WPD 70	230	23	1,136	
VarioPack 110 WPD 70	240	24	1,178	
VarioPack (S) 110 WPD 70	250	25	1,242	1,242
VarioPack (S) 110 WPD 70	260	26	1,284	1,284
VarioPack (S) 110 WPD 70	270	27	1,326	1,326
VarioPack (S) 110 WPD 70	280	28	1,368	1,368
VarioPack (S) 110 WPD 70	290	29	1,410	1,410
VarioPack (S) 110 WPD 70	300	30	1,452	1,452
VarioPack S 110 WPD 70	310	31		1,494
VarioPack S 110 WPD 70	320	32		1,536
VarioPack S 110 WPD 70	330	33		1,578
VarioPack S 110 WPD 70	340	34		1,620
VarioPack S 110 WPD 70	350	35		1,662
VarioPack S 110 WPD 70	360	36		1,704
VarioPack S 110 WPD 70	370	37		1,746
VarioPack S 110 WPD 70	380	38		1,788
VarioPack S 110 WPD 70	390	39		1,830
VarioPack S 110 WPD 70	400	40		1,872
VarioPack S 110 WPD 70	410	41		1,914
VarioPack S 110 WPD 70	420	42		1,956
VarioPack S 110 WPD 70	430	43		1,998
VarioPack S 110 WPD 70	440	44		2,040

Description	Working width approx. cm	Number of rings	Weight approx. kg
VarioPack 110 WDP 90	162	13	1,390
VarioPack 110 WDP 90	175	14	1,475
VarioPack 110 WDP 90	187	15	1,560
VarioPack 110 WDP 90	200	16	1,645
VarioPack 110 WDP 90	212	17	1,730
VarioPack 110 WDP 90	225	18	1,815
VarioPack 110 WDP 90	237	19	1,900
VarioPack 110 WDP 90	250	20	1,985
VarioPack 110 WDP 90	262	21	2,070
VarioPack 110 WDP 90	275	22	2,155
VarioPack 110 WDP 90	287	23	2,240
VarioPack 110 WDP 90	300	24	2,325
VarioPack 110 WDP 90	312	25	2,410
VarioPack 110 WDP 90	325	26	2,495
VarioPack 110 WDP 90	337	27	2,580
VarioPack 110 WDP 90	350	28	2,665
VarioPack 110 WDP 90	362	29	2,750
VarioPack 110 WDP 90	375	30	2,835
VarioPack 110 WDP 90	387	31	2,920
VarioPack 110 WDP 90	400	32	3,005

Description	Working width approx. cm	Number of rings	Weight approx. kg
VarioPack 110 WEP 90	100	5	572
VarioPack 110 WEP 90	120	6	657
VarioPack 110 WEP 90	140	7	742
VarioPack 110 WEP 90	160	8	827
VarioPack 110 WEP 90	180	9	912
VarioPack 110 WEP 90	200	10	997
VarioPack 110 WEP 90	220	11	1,082
VarioPack 110 WEP 90	240	12	1,167
VarioPack 110 WEP 90	260	13	1,252
VarioPack 110 WEP 90	280	14	1,337
VarioPack 110 WEP 90	300	15	1,422
VarioPack 110 WEP 90	320	16	1,507
VarioPack 110 WEP 90	340	17	1,592
VarioPack 110 WEP 90	360	18	1,677
VarioPack 110 WEP 90	380	19	1,762
VarioPack 110 WEP 90	400	20	1,847

Technical data

Description	Working width approx. cm	Number of rings	Ring diameter mm	Weight approx. kg
Front Furrow Presses VarioPack 110 FEP				
VarioPack 110 FEP 250-90	250	12	900	1,121
VarioPack 110 FEP 300-90	300	14	900	1,291
VarioPack 110 FEP 400-90	400	20	900	1,801
Front Furrow Presses VarioPack 110 FEP K				
VarioPack 110 FEP K 400-70	400	20	700	1,226
VarioPack 110 FEP K 450-70	450	22	700	1,326
VarioPack 110 FEP K 500-70	500	24	700	1,426
VarioPack 110 FEP K 600-70	600	30	700	1,726
VarioPack 110 FEP K 400-90	400	20	900	2,476
VarioPack 110 FEP K 450-90	450	22	900	2,676
VarioPack 110 FEP K 500-90	500	24	900	2,876
VarioPack 110 FEP K 600-90	600	30	900	3,476

Description	Working width approx. cm	Weight approx. kg	
		Crosskill Roller	Nockenring Roller
Crumbling roller for Presses WDP and WEP			
CRP/T 130 / NRP/T 130	130	274	254
CRP/T 170 / NRP/T 170	170	354	327
CRP/T 200 / NRP/T 200	200	412	380
CRP/T 230 / NRP/T 230	230	480	441
CRP/T 260 / NRP/T 260	260	532	492
CRP/T 300 / NRP/T 300	300	608	561
CRP/T 340 / NRP/T 340	340	687	633
CRP/T 370 / NRP/T 370	370	790	731
CRP/T 400 / NRP/T 400	400	848	784
CRP/T 430 / NRP/T 430	430	920	851
CRP/T 460 / NRP/T 460	460	992	918

Description	Working width approx. cm	Weight approx. kg	
		Star roller D 330 with cutting bar	Synthetic roller D 500 with scrapers
Integrated Furrow Presses FixPack			
FixPack S 330-200 / FixPack K 500-200	200	327	376
FixPack S 330-250 / FixPack K 500-250	250	349	417

Description	Working width approx. cm	Number of rings	Ring diameter mm	Weight approx. kg
Integrated Furrow Presses FlexPack				
FlexPack JR 4-100	220	16	600	430
FlexPack JR 5-100	275	20	600	510
FlexPack JR 6-100	330	24	600	590

All statements, measurements and weights given represent standards subject to continuous further development and are therefore not binding. The weights given always refer to standard equipped implements. We reserve the right to change specifications

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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