

Press Release

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LEMKEN Diamant 18 with integrated furrow press

Unique combination for demanding operating conditions

By introducing the integrated FlexPack furrow press for the Diamant 18 semi-mounted plough, LEMKEN is extending the range of applications for professional ploughing technology, including in dry and stony soils. This makes the 6- to 8-furrow Diamant 18 the only single-wheel semi-mounted plough on the market that can be combined with a directly mounted furrow press as standard. This solution is ideal for farms and contractors who prioritise efficient work processes and precise tillage, particularly in challenging site conditions.

More stability and efficiency

To make the combination of the LEMKEN Diamant and FlexPack technically possible in the in-furrow version, the design of the transport wheel was changed and the wheel was moved behind the base frame with the introduction of the Diamant 18. This new position of the wheel provides a low centre of gravity, reducing torsional loads and ensuring high tipping stability at the headland, smooth running on the road and low loads on the wheel arm. The rearmost plough body therefore reliably maintains the set working depth, even in hilly terrain, producing an even ploughing result regardless of the topography.

Reconsolidation to promote capillary action

Immediate reconsolidation of the turned soil is crucial to reduce evaporation and soil erosion, especially in dry conditions. Crumbling of the soil and seedbed preparation additionally ensure good seed-to-soil contact for the subsequent sowing. The LEMKEN FlexPack, which runs parallel to the plough frame, impresses with its maximum adaptability: it achieves consistent reconsolidation at any working width setting, with no overlaps or unworked areas.

Flexibility and simplification in practice

This new combination offers advantages not only to large farms with extensive fields, but also to sizeable businesses in regions with smaller field structures, as there is no need to couple or uncouple the furrow press, or to transport it separately with an additional tractor driver. This is particularly relevant where drivers need to cover long distances between fields or switch between fields frequently. Seed can be drilled directly after ploughing. In times of staff shortages and high efficiency requirements, this significantly increases efficacy.

Equipment details for specific application requirements

In addition to its own weight, the FlexPack furrow press can be hydraulically pressurised and thus adapted to different soil conditions. It can also be used together with the OptiStone hydraulic overload protection system on the plough, making it ideal for stony conditions. To help avoid stones, each pair of rings is suspended individually from spring steel elements.

The new combination of the LEMKEN Diamant 18 and FlexPack therefore offers a practical solution for professional ploughing in difficult conditions, providing clear advantages in terms of technology, time and resources.

About LEMKEN: LEMKEN enjoys a worldwide reputation as a visionary, sustainably operating company that makes an important contribution to profitable agriculture. As medium-sized German family company, LEMKEN has applied its expertise and passion for progress for 245 years, delivering solutions for the challenges confronting agriculture today and tomorrow. The company's product range includes tillage implements, seed drills, hoeing machines, fertiliser spreaders and smart solutions for agricultural data management.

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Image 1: The new LEMKEN Diamant 18 semi-mounted plough with integrated FlexPack furrow press.



Image 2: The FlexPack enables efficient work processes and precise tillage when ploughing.

