

Press Release

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New LEMKEN Diamant 18: A robust semi-mounted reversible plough for professionals

The LEMKEN Diamant series has been synonymous with reliability and performance in modern agriculture for many years. Since the Diamant 16 was launched six years ago, it is a successful machine “Made in the Lower Rhine”. Semi-mounted reversible ploughs are still a key tool for large agricultural businesses. Whether for traditional in-furrow ploughing or, increasingly, for on-land ploughing, whether used as a stand-alone machine or in combination with a furrow press – the Diamant series has always offered a wide range of applications to meet individual farm requirements for shallow or deep tillage.

The demanding environment in which agricultural businesses operate calls for high performance implements. To demonstrate that the Diamant plough series continues to stand for power and reliability, LEMKEN will be presenting a new model at EIMA in Bologna: the Diamant 18. With this innovative machine, the plough specialist is addressing an additional target group.

Powerful performance in extreme conditions

With its 5 to 8 furrows and a solid 180 x 180 x 12.5 mm box section frame, the robust Diamant 18 is specially designed for large tractors up to 650 hp and extreme operating conditions. The new LEMKEN plough performs particularly well on dry soils thanks to its optimum soil penetration and stable design. This is not only due to its increased weight, but also to the updated wheel position. To make the best possible use of the extra frame weight for optimum soil penetration, the support wheel is now located behind the base frame. As a result, the plough bodies penetrate the soil reliably and maintain the desired working depth consistently.

Convenient handling

The new wheel position results in a significantly lower centre of gravity so that the plough is subjected to lower rotational forces and there is less strain on the rear lift. This not only protects the plough components, but also ensures high tipping stability of the tractor/plough combination and a smooth ride. Despite its extended wheelbase, the Diamant 18 offers impressive agility and comfortable handling, even when compared to the proven Diamant 16, thanks to an innovative steering system for the transport wheel. The hydraulic steering of the transport wheel automatically adapts the steering angle to the turning manoeuvre and, in combination with the 90-degree steering angle on the plough headstock, enables the smallest possible turning radii at the headland. The transport wheel can also be actively controlled and manually steered for manoeuvring work.

The Diamant 18 complements the proven Diamant series. It will be available in small numbers from 2025, with full series production starting in 2026.

About LEMKEN: LEMKEN enjoys a worldwide reputation as a visionary, sustainably operating company that makes an important contribution to profitable agriculture. A medium-sized German family company, LEMKEN has applied its expertise and passion for progress for 244 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 LEMKEN Diamant 18 semi-mounted reversible plough is the new specialist for extreme operating conditions.



Image 2: The new wheel position has many advantages.



Image 3: The LEMKEN Diamant 18 is particularly agile at the headland.

