

## Press Release

Alpen, August 2025

### **LEMKEN introduces new subsoiler**

#### **To the limit: soil loosening to a working depth of up to 60 cm**

The Onyx subsoiler completes the LEMKEN range of tillage implements, offering farmers a professional solution for working depths of up to 60 cm. Designed to meet the highest demands, this tined implement provides impressive versatility. The Onyx is available in two rigid versions: the Onyx MR/300 with a 3.0 metre working width and the Onyx MR/400 with a 4.0 metre working width.

This subsoiler stands out thanks to its simple and exceptionally robust design. The frame structure is not assembled, but carefully welded together to ensure stability and durability. A notable feature is the 90 cm underframe clearance, which provides ample space to the base frame even at the maximum working depth. The frame also features a very clear design with two beams spaced 84 cm apart, ensuring easy access for inspection and maintenance.

#### **Share technology for various tillage effects**

The centrepiece of the Onyx subsoiler is its sophisticated share system, which comes in two variants with a 42.5 cm line spacing. It can be used with the OM (Onyx Mixing share) or the OL (Onyx Loosening share). Both shares are hard-faced as standard and optionally available with carbide coating to withstand wear-intensive operating conditions.

The OM share, which is designed to move and intensively mix the soil, is mounted on a curved stalk with a guide plate. With a working depth of 25 to 40 cm, it is ideal for improving the soil structure through medium-depth loosening and subsequent levelling. Thanks to the hydraulic depth adjustment, the Onyx can be operated conveniently directly from the tractor, making it ideal for variable operating conditions.

The OL share, on the other hand, is mounted on a straight stalk and is designed for deep loosening at working depths between 40 and 60 cm. It lifts

the soil, creating cracks due to the lifting action and the weight of the soil itself. This breaks up compacted layers such as plough pans and improves water infiltration through the resulting micro-cracks.

Both share variants can also be equipped with wings. These ensure a wider and more homogeneous loosening of the soil, as well as a better mixing in of organic matter.

### **Well thought-out roller technology**

For levelling and reconsolidation of the loosened soil, LEMKEN recommends two rollers specially adapted to the Onyx: the DSW 580 double spiked roller and the RSW 600 tube bar roller. A quick-change roller system enables the rollers to be changed quickly, providing maximum flexibility in variable soil conditions.

The Onyx will be available in limited numbers from 2026. As a result, the agricultural technology specialist LEMKEN will offer a comprehensive range of products for the various arable farming methods, from conventional tillage with ploughing to minimum tillage or strip till.

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**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: Even at maximum working depth, the LEMKEN Onyx subsoiler ensures sufficient clearance to the base frame.



Image 2: The mixing share with wings and the double spiked roller ensure the desired working result up to a working depth of 40 cm.



Operation video Onyx: <https://youtu.be/ob5QLu63f10>