

Press information

## **AVR relies on Liebherr cameras and displays**

- AVR fits potato harvesters with Liebherr digital smart cameras.
- The MDC3 cameras enable detailed monitoring of the work processes, especially in low-light areas.
- 12” display controllers provide a clear and high-resolution display of the camera images in the cab.

**The Belgian agricultural machinery manufacturer AVR relies on proven electronics from Liebherr: in the Puma 4.0 potato harvester, up to 16 digital smart cameras and two 12” display controllers provide detailed real-time monitoring of the entire work process.**

Nussbaumen (Switzerland), May 12, 2022 – During the potato-harvesting season, it is crucial that the required potato harvesters are available when needed. Therefore, detailed observation and monitoring of the individual process steps is essential to ensure that the harvesting process runs smoothly. To achieve this, AVR relies on high-quality electronic components from Liebherr with the MDC3 digital smart camera and the DC5 display controller.

“AVR has been manufacturing machines for potato harvesting for over 170 years. To ensure high availability and the smooth operation of our machines, we rely on high-quality components. With Liebherr’s electronic components we are taking another step forward,” explains Steven Jonckheere, Application Engineer at AVR. “The MDC3 digital smart camera with its high-performance imager delivers detailed images even in very dark environments. In addition, the camera is impressive in terms of its ability to adapt quickly to constantly changing lighting conditions. The DC5 display controller ensures good readability of the camera images in the cabin, even in strong sunlight”, summarises Steven Jonckheere.

### **Best view for the world market leader Puma 4.0**

The 469 hp AVR Puma 4.0 potato harvester is the world market leader in the 4-row self-propelled harvester segment. Thanks to the MDC3 cameras in combination with the DC5 display, the machine operator can monitor the entire working process during potato harvesting comfortably and in high resolution in the cab.

Up to 16 cameras per machine provide extensive detail on the two 12” display controllers in the cab. Due to the range of installation locations, the cameras are confronted with constantly changing lighting conditions. The adaptable MDC3 masters these with fast readjustment and the integrated HDR function, which generates optimally processed high-contrast images.

## A digital eye for all harvesting conditions

The MDC3, which is dust and waterproof to IP6K9K, is also suitable for use in very demanding environmental conditions. The lens correction function eliminates the fisheye effect for greater comfort. Additionally, with its integrated lens heating, the camera delivers clear images even in extreme temperatures – quickly after machine start-up.

In addition to agriculture, Liebherr's electronic components have already proven their worth on numerous other mobile machines in a wide range of industries.

### About AVR bv

AVR bv is a family-owned company based in Roeselare, Belgium. Since its creation in 1849, the company has focused on potato technology. In addition to soil cultivators, haulm toppers and storage technology, the company has also been manufacturing potato harvesters since the 1950s – for the successful harvest of one of the world's most important food crops. Today, AVR supplies its machines to more than 50 countries worldwide and, with 200 employees, achieves a turnover of around € 73 million per year.

### About Liebherr-Components AG

The Liebherr Group specialises in the development, design, manufacture and reconditioning of high-performance components in the field of mechanical, hydraulic and electrical drive and control technology. Liebherr-Component Technologies AG, based in Bulle (Switzerland), is responsible for coordinating all activities in the components product segment.

The extensive range includes diesel and gas engines, injection systems, engine control units, axial piston pumps and motors, hydraulic cylinders, large-diameter antifriction bearings, gearboxes and winches, switchgear, electronic and power electronics components and software. The high-quality components are used in cranes and earthmoving machinery, in the mining industry, maritime applications, wind turbines, in automotive engineering or in aviation and transport technology. Synergy effects from the Liebherr Group's other product segments are used to drive continuous technological development.

### About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 140 companies across all continents. In 2021, it employed more than 49,000 staff and achieved combined revenues of over 11.6 billion euros. Liebherr was founded in Kirchdorf an der Iller in Southern Germany in 1949. Since then, the employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

## Images



liebherr-cameras-displays-in-avr-puma.jpg

Work process monitoring: Up to 16 cameras and two displays from Liebherr provide detailed images in the driver's cab of the AVR potato harvester.

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