



## EFFICIENT AND COMFORTABLE HARVESTING

The Belgian AVR Company has developed harvesting machines for the potato harvest since the second half of the 20<sup>th</sup> century.

In the past, a great deal of manual labour was required for potato harvesting. Currently, the four-rowed self-propelled Puma 3 harvester from AVR carries out the complete potato harvest with impressive efficiency.

Puma 3 makes use of actuators from LINAK for many different tasks.

*"Electric actuators are becoming ever more important", notes Stefan Top, Managing Director of AVR. "They are simple to apply and can be easily integrated."*

He especially values the functional reliability of LINAK actuators. *"The actuators have become increasingly more robust in recent years, and this is very important to us."*

The machinery is becoming larger, more complex and more efficient.

The tasks and requirements of the actuators are growing. Electronics and the communication with various Bus systems are playing a progressively more important role.

In 2001, AVR introduced the first potato harvester outfitted with a Canbus system. *"With the help of numerous technical innovations, such as the introduction of the Canbus system, we have succeeded in optimising the potato harvest and making it more efficient", says Stefan Top.*

The integrated electronics and the multiple options for position feedback make it possible to integrate electric actuators simple and inexpensive in the Bus systems of the machine.

*"The components must communicate perfectly with each other", insists Stefan Top.*



*LA35 actuator correcting the spindle in the harvester.*

For example, use is made of the LINAK actuator LA35. Hall sensors in the actuator relay the position of the spindle to the entire system.

The driver can thus configure and perfectly position the rollers and cleaning devices of the harvester from the driver's cabin.

The reasons for using electric adjustment systems are multiple.

Besides the precise configuration of machine components, such as the deactivation of individual rows in a planter or the repositioning of cleaning rollers in a harvester, the improvement in operating procedures is an important factor.



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Today it is crucial that the farmer concentrates on important things. Continuously more parameters must be taken into account when planting, fertilising and harvesting.

Electric actuators carry out more and more adjustments and settings for individual components. The operation of machinery is growing in complexity from generation to generation.

Stefan Top expects electric actuators to take over still other tasks involving AVR products in the future. AVR already employs a large number of various LINAK actuators. Besides the LA35, use is made of LA30, LA23 and LA12 actuators.

Contact [LINAK TECHLINE](#) for specifications and even more actuator solutions for [combine harvesters](#) and other farming equipment.