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**FOR IMMEDIATE RELEASE**

**HAVER & BOECKER Expands its QUAT2RO AI Systems**

**OELDE, Germany (Dec. 3, 2025) —** [HAVER & BOECKER](https://www.haverboecker.com/en/) expands its [QUAT2RO® AI](https://www.haverboecker.com/en/products/digital-products/)  product suite — including QUAT2RO® [MATEXcheck](https://www.haverboecker.com/en/products/digital-products/performance/quat2ror-matex-check/) and QUAT2RO® [VALVEcheck](https://www.haverboecker.com/en/products/digital-products/performance/quat2ror-valve-check/) — with the addition of QUAT2RO® [BAGcheck](https://www.haverboecker.com/en/products/digital-products/performance/quat2ro-bag-check-ai/) and QUAT2RO® [SEALcheck](https://www.haverboecker.com/en/products/digital-products/performance/quat2ro-seal-check-ai/) for industrial packing and filling in the cement, building materials, food and chemical industries. The new AI-powered QUAT2RO® BAGcheck prevents the use of incorrect bags by monitoring the bag placed in the bag magazine on the packing machine. The QUAT2RO® SEALcheck system supports full-line automation by detecting product on the conveyor and removing unsealed bags before palletizing. Combined with QUAT2RO® MATEXcheck and QUAT2RO® VALVEcheck, these options make up the full array of the QUAT2RO® AI product suite.

“The success of our first AI product, QUAT2RO® MATEXcheck, prompted us to explore other unique AI solutions to address the unique needs of our customers and expand into other detection options,” said Dirk Bergmann, Head of AI at HAVER & BOECKER. “QUAT2RO® AI isn’t just the next digital product. It’s the last digital product our customers will need to buy. The AI systems integrated into these machines continuously learn and update, meaning you’re preparing your packing line for the future.”

QUAT2RO® BAGcheck uses image recognition to verify that the correct bags are placed into closed, automated packing machines like the [INTEGRA® IV](https://www.haverboecker.com/en/products/machines/integrar/). The system uses a camera to identify the bag before filling begins. If the system flags a bag as the incorrect type, the packing line stops to allow operators to replace it. QUAT2RO® BAGcheck provides a safeguard against product being filled into the wrong bag and potentially not being caught until palletizing or, at worst, when it reaches the customer. Like QUAT2RO® MATEXcheck, it identifies and prevents issues before they become critical.

QUAT2RO® SEALcheck ends the packing line. A camera monitors bags leaving the packing line checks the sealed valves for loose product on the conveyor. When an issue with the seal is detected, the bag is diverted off the line to a separate area.

As QUAT2RO® BAGcheck and QUAT2RO® SEALcheck serve as bookends to the packing line and AI products, QUAT2RO® VALVEcheck and QUAT2RO® MATEXcheck are all about what goes on during filling. QUAT2RO® VALVEcheck, one of the first QUAT2RO® AI products, decreases downtime and increases product usage by ensuring that each valve bag is fitted to the filling spout properly. The system identifies improperly opened bags and drops them to the machine floor for manual rework. Operators can then pick up the bags, open them by hand and place them back on the packing line — saving some operations as much as 50 euros per day. Packing lines that implement QUAT2RO® VALVEcheck have seen a rapid decrease in incorrect bag applications.

Introduced in 2024, QUAT2RO® MATEXcheck — short for material explosion check — monitors the filling process inside the machine using a high-quality camera system. When the camera detects abnormal material discharge during the filling process, the system alerts the operator and stops the process immediately, eliminating what used to be a costly error both in terms of product loss and downtime to clean up after. These systems can typically fill up to 30 kilograms per second. Earlier systems relied on bag weight to determine when filling was disrupted, which could lead to a two-second delay in shutting down the machine — resulting in a loss of 60 kilograms of product before the machine would stop filling. QUAT2RO® MATEXcheck registers changes faster and eliminates or significantly reduces that product loss.

All four QUAT2RO® AI Systems can be linked through [QUAT2RO® Connect](https://www.haverboecker.com/en/products/digital-products/data/quat2ror-connect/) for facilities seeking deep integration with their packing line. The HMI dashboard on these machines can showcase additional data to help streamline packing processes and anticipate future bottlenecks. HAVER & BOECKER’s in-house AI experts monitor QUAT2RO® Connect to help identify where problems stem from and how to fix any current or potential issues with the operation’s packing line. Both QUAT2RO® Connect and the QUAT2RO® AI Systems can be retrofitted into all enclosed automated packing machines or incorporated as an optional upgrade on new machines.

To learn more about the benefits of QUAT2RO® and HAVER & BOECKER’s newest AI technology, visit <https://www.haverboecker.com/en/products/digital-products/>.

**About HAVER & BOECKER**

HAVER & BOECKER are pioneers in holistic bulk and liquid management and innovative industrial fabric solutions.

As a powerful family of technology brands and experts, they have been developing, producing and distributing high-tech fabric products, machine and plant technologies, as well as services and digital solutions for customers across all industries that aspire to technological market leadership since 1887.

In this way, HAVER & BOECKER enables producers to develop highly efficient, high-performance, safe, profitable, and sustainable products, optimize processes, and bring a unique fascination to collaborative engineering.

*The designation ® indicates a registered trademark of HAVER & BOECKER oHG in Germany. Several indicated designations are protected trademarks also in other countries worldwide.*

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**IMAGE:** HAVERBOECKER\_BAGcheck.jpg

Several bags with different labels

AI-generated content may be incorrect.

**CUTLINE:** The new AI-powered QUAT2RO® BAGcheck prevents the use of incorrect bags by monitoring the bag placed in the packing machine and stopping the process if an error is detected.

**IMAGE:** HAVERBOECKER\_SEALcheck.jpg

A brown bag on a table

AI-generated content may be incorrect.

**CUTLINE:** The QUAT2RO® SEALcheck system supports full-line automation by monitoring valve bags on the conveyor, detecting open bags and removing them from the packing line before palletizing.

**IMAGE:** HAVERBOECKER\_VALVEcheck.jpg



**CUTLINE:** QUAT2RO® VALVEcheck identifies improperly opened bags and drops them to the machine floor for manual rework.

**IMAGE:** HAVERBOECKER\_MATEXcheck.jpg

A machine with steam coming out of it

AI-generated content may be incorrect.

**CUTLINE:** QUAT2RO® MATEXcheck monitors the filling process inside the machine using a high-quality camera system. When the camera detects abnormal material discharge, the system alerts the operator and stops the process immediately.

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