



Agriculture and Food Industry Alliance

Operator Assistance Systems for
Processing Machinery



SAM – Operator assistance system

With our self-learning operator assistance system for processing machines SAM, we offer situation-adapted and individual solution strategies for your processes.

With standard knowledge memories for machine operators, the manual

search for helpful entries in the event of an error is problematic and time-consuming. Different designations, spelling mistakes, or time pressure make targeted, efficient searches difficult, even in digital archives with full-text search.

The motivation to maintain and expand the repository is therefore limited and acceptance among employees tends to be low overall.

SAM rises to this challenge and, for the first time, independently searches for suitable solution proposals for the present error case in the database. The special feature is the ability to learn and recognize new error cases independently. The basis for this are machine learning algorithms.

By analyzing sensor data, such as switching signals from light barriers, malfunctions can be detected much more precisely than was previously possible with hard-coded error queries. Interaction with the operator takes place via a mobile device or a PC.

By providing targeted support for operators, malfunctions can be eliminated on a lasting basis. Scrap, non-productive time, and personnel costs can be reduced by this assistance system, while production capacity increases.

Production efficiency increases and, at the same time, planning reliability in production is enhanced.

For further information, please follow the QR code.

