

APPLICATION OVERVIEW



QUAT²RO® Production

Features, Benefits, and Technical Information - Learn more about QUAT²RO® Production and its capabilities.



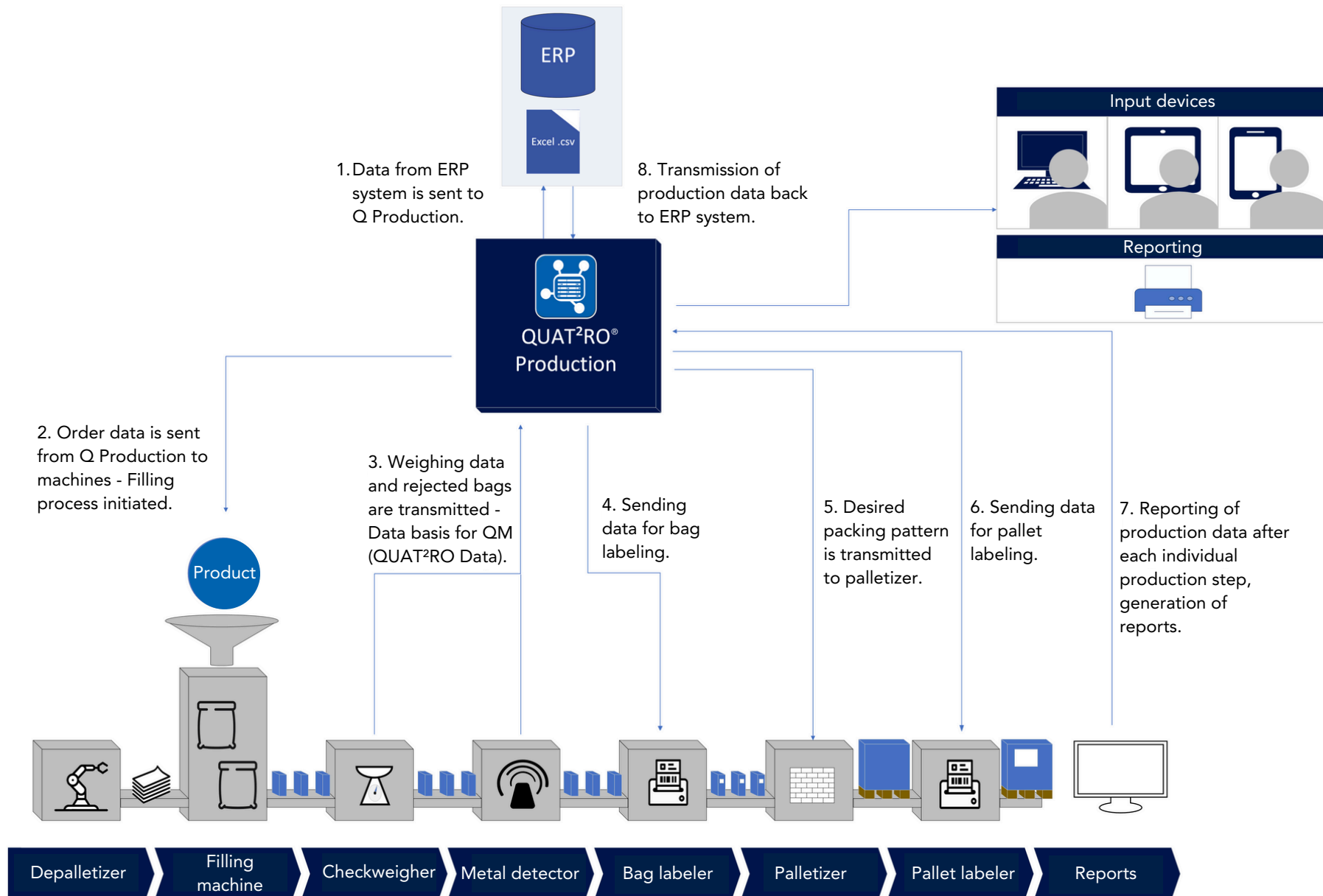
YOUR BENEFITS

QUAT²RO® Production



- Higher utilization rate of your production facilities
- More transparency and flexibility in your production processes
- Support for customer quality management
- More efficient handling of complex processes
- Time savings through optimized operation via networking
- Optimized information base for quality management
- Traceability of produced goods
- Increased data availability and minimization of IT infrastructure
- High level of security in deployment and flexibility in integration
- Error minimization through restricted choices or plausibility checks
- Optimal integration of product packaging and palletization into production processes and administrative processes
- Optimal usability for machine operators and production planners





RETHINKING PRODUCTION MANAGEMENT

QUAT²RO® Production



From managing master data and production orders to monitoring and controlling logistical and organizational processes, QUAT²RO® Production provides valuable services to transform your production into an Industry 4.0 smart factory. Manage your production automatically and flexibly to save valuable resources!

In addition to optimizing production, QUAT²RO® Production enables you to achieve higher capacity utilization and optimized transparency of your systems. Every step within your production becomes easily accessible thanks to the comprehensive production management software.

From weighing, filling, checking and labeling to palletizing and packaging, the system digitally represents the entire value chain.

By integrating the production level into the ERP level, unimagined optimization potential is released. This potential is identified, evaluated and realized on the basis of the intelligent networking of all production steps and their integration into the company's logistical and organizational processes. Important information and data is not only transferred from the ERP system to the production units, but also back to it.

Incoming orders are filled with data and transferred to the machines and systems. There, in turn, production data is collected and transferred back to the ERP system. In this way, production orders can be generated automatically, order data can be sent to packing machines, labelers, etc. and production data from machines, checkweighers, barcode scanners, etc. can be recorded and archived.

QUAT²RO® Production can be modularly adapted to on-site conditions and process-related conditions. Moreover, it can be combined with other system solutions of the QUAT²RO® product family.



FEATURES

QUAT²RO[®] Production

- Management of master data and generation of production orders
- Bidirectional data exchange with machines and components in the process chain and your ERP system
- Automatic distribution of order data, e.g. to packing machines, palletizers, labelers, etc. after release
- Safe and effective automatic processing of production orders thanks to monitoring of all machine parameters by QUAT²RO[®] Production
- Transmission of completed production orders to your ERP system as well as recording and archiving of production data from machines, checkweighers, barcode scanners, metal detectors, etc.
- Generation of reports and logs of the production process
- Web-enabled user interface: QUAT²RO[®] Portal website for user authentication, including QUAT²RO[®] Production website
- Data exchange with other QUAT²RO[®] modules
- Modular structure of the production management system
- Individual customization according to customer requirements



BASIC VERSION

QUAT²RO® Production



The basic version consists of a maximum of the components listed here and is based on the machines from HAVER & BOECKER and its technology subsidiaries:

1 x QUAT²RO® Production (Siemens industrial PC, SQL database Express Edition and software license)

- Software manual
- User interfaces of QUAT²RO® Production
- User administration (max. 5 user levels)

Connection to the customer's ERP system (e.g. SAP)

- Connection via file exchange
- File format according to QUAT²RO® standard
- Provision of orders by ERP system
- Reporting of completed packaging orders to ERP system

Packaging Line

- 1 x Packing Machine
- 1 x Full Bag Transport
 - Checkweigher
 - Metal Detector
 - Bag Label Printer
- 1 x Palletizer

Transport of empty pallets

- 1x sheet or film feeder

Transport of full pallets

- 1 x stretcher
- 1 x pallet labeler



Platform customization:

- Utilization of different, possibly customer-provided hardware
- Utilization of alternative databases or database editions (e.g., Oracle, PostgreSQL, MySQL, tec., etc.)

Integration with software:

- Provision of individually customized reports on processed production orders
- Further QUAT²RO® products (e.g. Q Monitoring, Q Logistics, Q Basis, etc.)
- Management systems for requesting products for planned orders
- Warehouse Management Systems for the transfer of completed orders
- Customized integration with customer's ERP system (e.g., SAP, MS Dynamics 365, Infor, Sage, etc.)
 - Adjustment of communication according to customer specifications
 - Communication of intermediate states to ERP system

Adaptation of production facility:

- Additional machines
 - Different products than bulk goods, e.g., Feige filling machines for liquid filling
 - Other manufacturers within and outside the HAVER Group
 - Any number of packing lines/transport routes in any line structure
- Further peripherals (e.g. hand-held scanner)



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