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The Power of IoT

Kontron AIS GmbH

FabEagle®LC

The Scalable Line Controller for Production Control and Traceability

FabEagle®LC (Line Controller) is our scalable control system for individual production lines. As a solution that delivers production control and traceability, it can handle any scenario from individual production machine to a fully interconnected production line.

Either at automotive suppliers for assembly and test systems, in electronics manufacturing or in the pharmaceutical and food industries – FabEagle®LC has a wide range of applications and with its functional modules for data acquisition, process control and vizualisation it is the easiest way to digitalize your production.

Your benefits

> Ensuring traceability for product and test data

> Increase of transparency with line and online visualization

> Increase in productivity by improving production utilization with maximum availability of equipment

> Fast integration via standardized interfaces for many PLC and equipment suppliers

> Short project duration and commissioning thanks to more than 20 years of experience

Features

Management and control

Line control

Transport control and monitoring of material logistics for efficient operation of all production line modules

Work plan management

Configuration of the manufacturing process in work plans plus definition of recipes, bill of material, and relevant parameters

Order management

Synchronization of production orders with ERP systems or direct administration in the line controller and assignment of a work plan to each order

Recipe management

Central management and provision of process parameters and settings for machine controls

Shift plans

Definition of shifts, shift models and target figures for evaluations and calculation of performance indicators

User management

Definition of user groups and authorizations

Visualization and evaluation

Line visualization

Line layout for quick access to machine status, alarms, and order progress

Reporting

Visualization of stored process, material, and machine data for user-defined evaluations

Worker guidance

Support and data acquisition at workplaces with manual steps for rework, testing, and assembly work
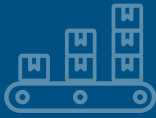
Alarm statistics

Analysis of machine malfunctions according to frequency and duration to identify optimization potential

Online process visualization

Presentation of trends of selected process data in real time to identify process deviations

Production control

Digitalization of production orders, work plans and parts lists for increased productivity

Transparency

Visualization of order progress to ensure delivery deadlines

Traceability

Acquisition of material batches and process data for better product quality

Data acquisition and delivery

Material tracking

Traceability from raw material to finished products across the entire production line down to lot size 1

Process data acquisition

Retrieval and storage of process and material data relating to quality for every process step

Machine and operating data acquisition

Automatic and manual logging of machine status, product defects and lots to calculate performance indicators
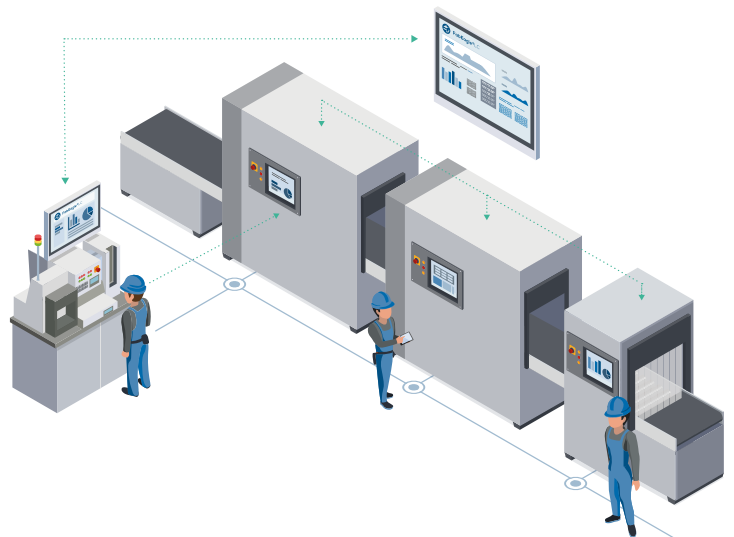
Archiving

Memory-optimized storage of relevant product data and production statistics

Our integration capabilities

As a full-service provider, we handle all machine integration tasks, e.g. interface specification, software qualification, on-site testing, integration of systems into your production set-up.

Our services

In addition to standardized industrial software solutions, we provide you with a wide range of know-how and application-specific services for all phases of your project. With more than 30 years of experience in successfully implemented automation projects, we support you in planning and optimizing your digitalized production.

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Kontron AIS GmbH sets the benchmark in industrial software – for more than 30 years and with an experienced team of over 250 employees. The proven software products and customized digitalization solutions enable machine and equipment builders as well as factory operators to break new ground in automation and secure long-term competitive advantages. Together with its customers, Kontron AIS implements worldwide cross-industry, intelligent digitalization strategies and solutions for the smart manufacturing of tomorrow.

As a subsidiary of the Kontron AG, Kontron AIS offers integrated, end-to-end IoT concepts consisting of hardware and software as well as worldwide project management, service, and support thanks to a global network.

Software Development

Consulting and Requirement Engineering

Project Management and Training

Supply of Hardware for Control and IT Systems

On-Site Installation and Commissioning

Flexible, Global Service and Support

Kontron AIS GmbH
Otto-Mohr-Straße 6
01237 Dresden
Germany

Phone +49 (0)351 2166 0
Fax   +49 (0)351 2166 3000

We are at your service:
contact@kontron-ais.com

More information:
www.kontron-ais.com

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