Keeping a firm grip on the reins.

Labelling process control in real time with Logo**RT**

By deciding to purchase a labelling solution made by Logopak, you have opted for an all-round carefree package. While our Logopak labellers guarantee maximum efficiency and reliability, our high-performance middleware LOGO**SOFT** provides central control and a comprehensive overview of your entire labelling processes.

Collecting and processing data from different data sources, our highly practical module Logo**RT** (RealTime) controls and monitors all labelling processes in real time. You can count on Logo**RT** to ensure that you maintain a firm grip on the reins throughout your entire labelling processes.

Learn more in this document.

» Logo**RT**: Process control in real time.

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Labelling in real time.
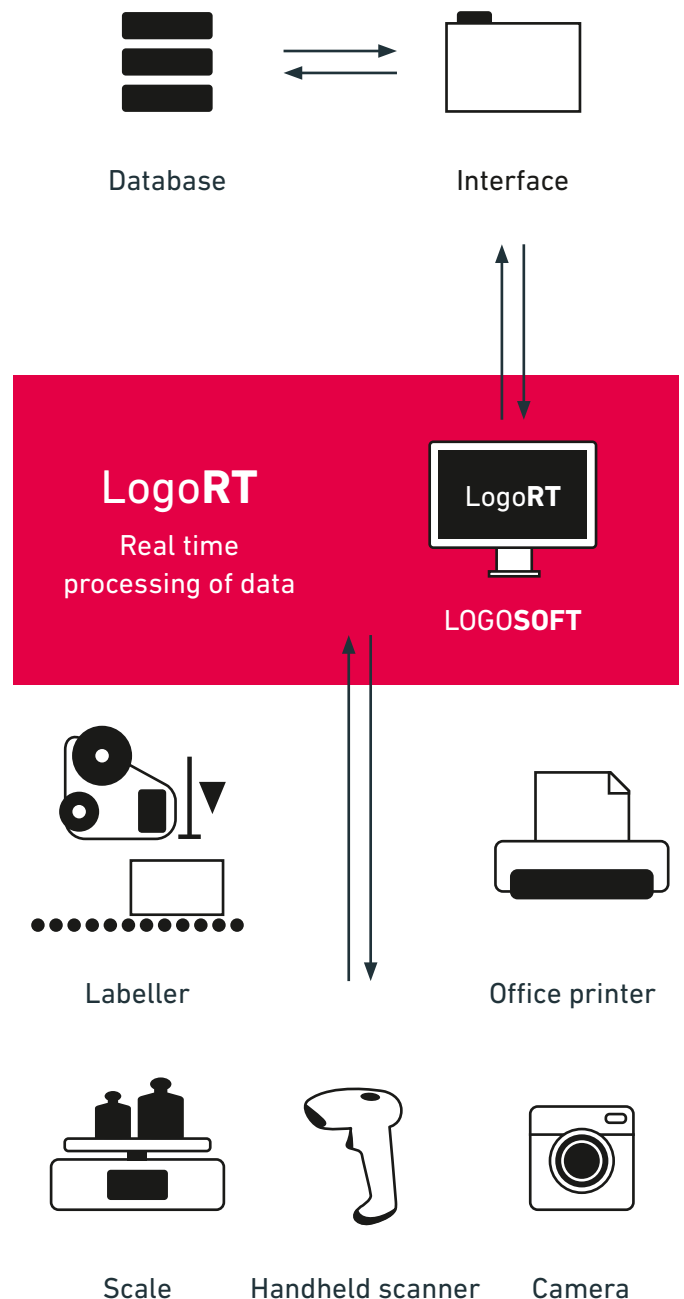
From your database directly onto the label

As a fully-fledged middleware, Logo**RT** allows fast and easy integration in your existing IT system. Logo**RT**'s internal database manages your individual data and uses this data to create each label directly from your system. The required data is requested from your production environment fully automatically in real time, and does not have to be stored and retrieved separately.

Product identification

Products need to be identified in order to ensure that the right data is applied to the right shipping unit. The basis for this identification is virtual or physical target tracking via the line PLC or, for instance, an ID barcode. Other product identification systems can be integrated as well.

Feedback to your system

After the label has been successfully applied to the product, the printed data is automatically stored in your labeller (as a log file) and transmitted to Logo**RT**. Logo**RT** processes the data according to your interface protocol and feeds the data back to your IT system.

Database

Interface

LogoRT

Real time processing of data

LogoRT

LOGO**SOFT**

Labeller

Office printer

Scale

Handheld scanner

Camera

Your benefits at a glance:

» **High data security along the entire process chain**

» **Event-based process control in real time**

» **Fully automated data linking and processing**

» **Integration of other devices and protocols in your production line**

» **Flexible planning and processing of new print jobs**

» **Production reliability through real time processing of data directly from your IT system (e.g. ERP)**

Overview of the data-communication between the on-site IT-system, the LOGO**SOFT** middleware, ID systems (Camera, scanner, etc.), scale, conveyor PLC and labelling system.

» Scope of standard functions

Data import from your system:

» **Master data** can be imported from your data system **via different interfaces** – as CSV file, XML file, SAP IDoc, SOAP or SQL (direct database access).

» Automatic import of datasets into the local database.

» **Event-controlled import of data in real time** into the local database.

Product identification:

» **Different product identification systems** can be used for each line / labelling system.

» These include, for example: camera-based code readers, stationary barcode scanners, mobile hand-held scanners, RFID readers, line PLCs, production control systems or customer-specific telegrams.

Example:

Each individual labelling system is equipped with an upstream auto scanner that reads the ID barcode of a shipping unit passing along the conveyor and sends this code to Logo**RT** via the data interface. Triggered by this event, automatic data processing can be started in the downstream process.

Data processing and data supply to the labelling systems:

» **Full integration of your Logopak labellers**
  » Data transmission for every product in real time
  » Even-based data triggering
  » Status information
  » System back-up management
  » Software versions and system updates

» **Configurable synchronisation intervals** for the import and export interface (master data and LOG files).

» **Event-based data transmission in real time** Import from your system and data feed to your labeller.

» **Allocation of print data to individual labellers,** e.g. via source mapping of the data request (scanner 1 -> labeller 1).

» **Transmission of multiple label layouts** to the labelling systems

» **Allocation of print data to specific label layouts**

» **Provision of product master data** to provide calculation of the pallet weight by the labelling system (for optional handling of partially stacked pallets by the labelling system).

» **Time synchronisation** of the labellers including changing from summer to winter time and vice versa.

Data feedback to your system:

» Feedback of **labelling and shipping data** such as weight, batch number, quantity, "best before" date, SSCC or date/time of labelling.

» Feedback of **quantity deviations** for partially stacked pallets to the customer's system.

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» **Additional functions** Logo**RT** (optional)

In addition to the standard functions provided by Logo**RT**, we offer you the following functions in connection with Logopak labelling systems:

» Implementation of individual customer rules and calculations.

» Integration of several data sources and peripheral systems.

Additional pallet labelling options to GS1 standards:

» Calculation of "best before" dates from product master data.

» Generation of unique numbers for product tracing purposes (e.g. number of the shipping unit SSCC).

» SSCC and batch number management

» Data feedback from automated labelling (labels applied to two or three sides of the pallet) to GS1 standards, as well as quadruple labelling of "Dusseldorf" pallets on a carrier pallet.

» Feedback from "pallet groups" possible.

» **System requirements hardware:**

» min. Intel Core i3 or higher, Intel-compatible CPU

» 20 GB hard disc or higher

» 4 GB RAM or higher

» USB mouse & keyboard

» Monitor or touch screen

» Ethernet adapter 100 Mbit or faster

» Windows® 8 / 10 or corresponding Windows® server versions or LINUX.

» 64-bit operating system

» Screen resolution minimum 1024 × 768 pixels

» **Support:**

If you have any questions, our Logopak experts will be happy to assist you. They also support you with installation, commissioning and maintenance. In cases where on-site visits are not possible, we provide step-by-step "on-screen" support over the phone by giving you easy-to-understand instructions on how to proceed.

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