SQL

Interface description SQL
to LOGO**SOFT**

LOGO**SOFT makes your print & apply labelling processes safer and more efficient. Our high-performance middleware provides central control and monitoring of your entire labelling processes.**

LOGO**SOFT** offers you maximum flexibility that starts with the connection to your database system. LOGO**SOFT** provides interfaces to all common software applications, including direct access via SQL.
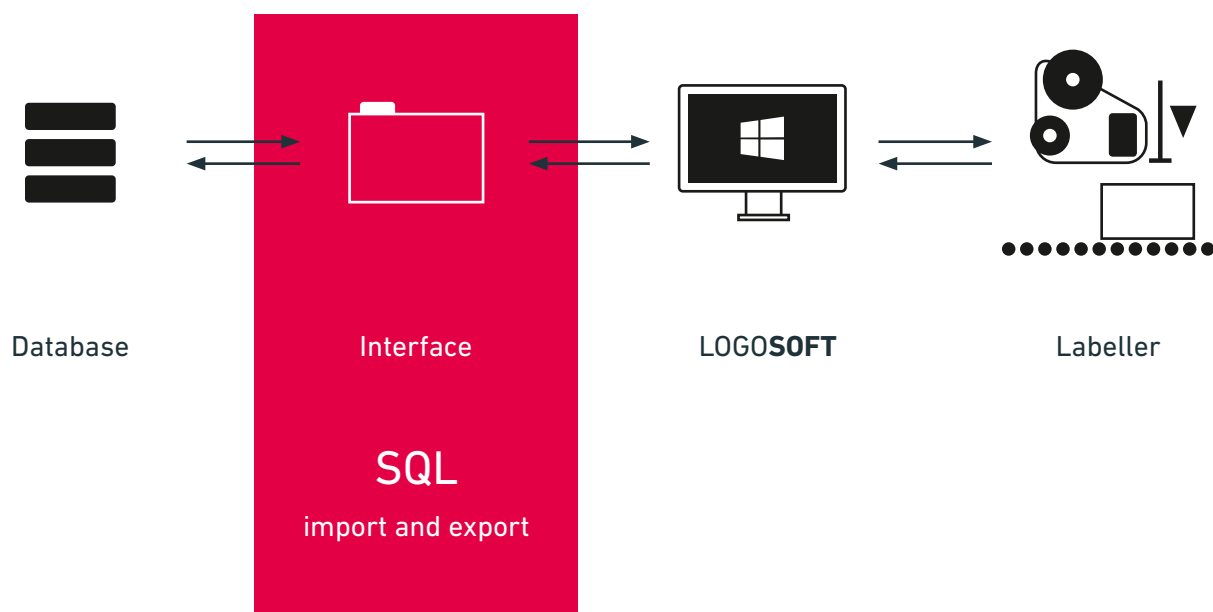
Learn more in this document.

» **Smooth exchange of data via SQL database access.**

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Interface description SQL to LOGO**SOFT**

Provision of SQL
data sets.

What is SQL, and how does the data exchange with LOGO**SOFT** work?

SQL is a standard query language for databases, which provides access to almost any given database system. Working with SQL statements is a relatively easy method to enter, change or delete data. SQL is standardised and allows cross-platform use, which includes the exchange between your database and LOGO**SOFT**.

Database	Interface	LOGO**SOFT**	Labeller

SQL

import and export

After the SQL interface has been set up, you need to create a source table (SQL Table or View) in your IT system for the data export. This source table contains all data required for the labelling process. The data is then automatically transmitted to your labeller via SQL.

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Example for a database access:

For this example the following table "Article" is used:

Article number	Objects	Colour	Price
100	House	white	100.000
101	Car	red	20.000
102	Boat	blue	30.000

If you only want to know the article number of the objects and the price the following SQL command is used:

```
SELECT Article number,Price FROM Article
```

Output:

100	100.000
101	20.000
102	30.000

The result of the output can be processed further.

Übersetzung prüfen!

Data import:

» LOGO**SOFT** reads data (event-triggered or at regular, configurable intervals) from the source table by using SQL statements.

» LOGO**SOFT** imports the SQL output into its internal database for further processing and subsequent use of the data for LOGO**SOFT** applications.

» Imported data can be marked in the source table, which requires "write access".

Data export:

The interface connection provides the opportunity to send feedback data (log information) to the customer database upon completion of the labelling process. For this function, LOGO**SOFT** writes data in a feedback table via SQL statement. The feedback table requires "write access" rights.

Scope of standard functions:

» Supported database systems
  » Oracle
  » MS-SQL
  » MySQL (Maria DB)
  » HSQLDB
  » PostgreSQL
» Write access to the source table
» Read and write access to the feedback table

The standard version processes SQL tables with maximum 50 columns (data fields).

Options:

» Access to several source and feedback tables
» Processing of a larger amount of data fields
» Write access to the import table

To be provided by the customer:

The database connection requires the following access data:

» JDBC URL (network path)
» User name
» Password
» SQL Dump (database structure): The field allocation between data fields (export table) and label layout fields has to be provided.
» An import table for the data feedback is provided if necessary.

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