



PRODAISI®
**THE INNOVATIVE
MANUFACTURING
EXECUTION SYSTEM.**

The basis software for MES all around data evaluation-, storage- and analysis. With Prodaisi® it is possible in quite a simple way to illustrate clearly and quickly the production data, to analysis it and to control the system.

PRODAISI®
Recording, analysing and controlling the production easily.



PRODAISI® – THE EASY WAY ...

**...TO RECORD, ANALYSIS AND
CONTROL THE PRODUCTION.**

DATA REGISTRATION AND ARCHIVING

The production data is determined directly from the connected machines or recorded over the monitor work place and stored in the SQL data base.

EDITING AND DOCUMENTING OF THE DATA

Continuous lifelong documentation of all production- and quality data. Simple statistical editing of the data for work preparation, quality management (QM), Production but also management leadership and controlling.



SYSTEM CONTROLLING

Influence the optimisation of production. Direct access to all system- and machine-data but also process flows. Steering and optimising of the production by simply adapting the production processes, order data and machine parameters.

SHOWING AND ANALYSING OF THE DATA

All data can be illustrated and analysed in a simple and structured manner with respect to the required task. Decisions regarding the production and the work preparation are simplified which is then the basis for quality management and production efficiency.



PRODAISI® AND THE BENEFIT FOR YOU

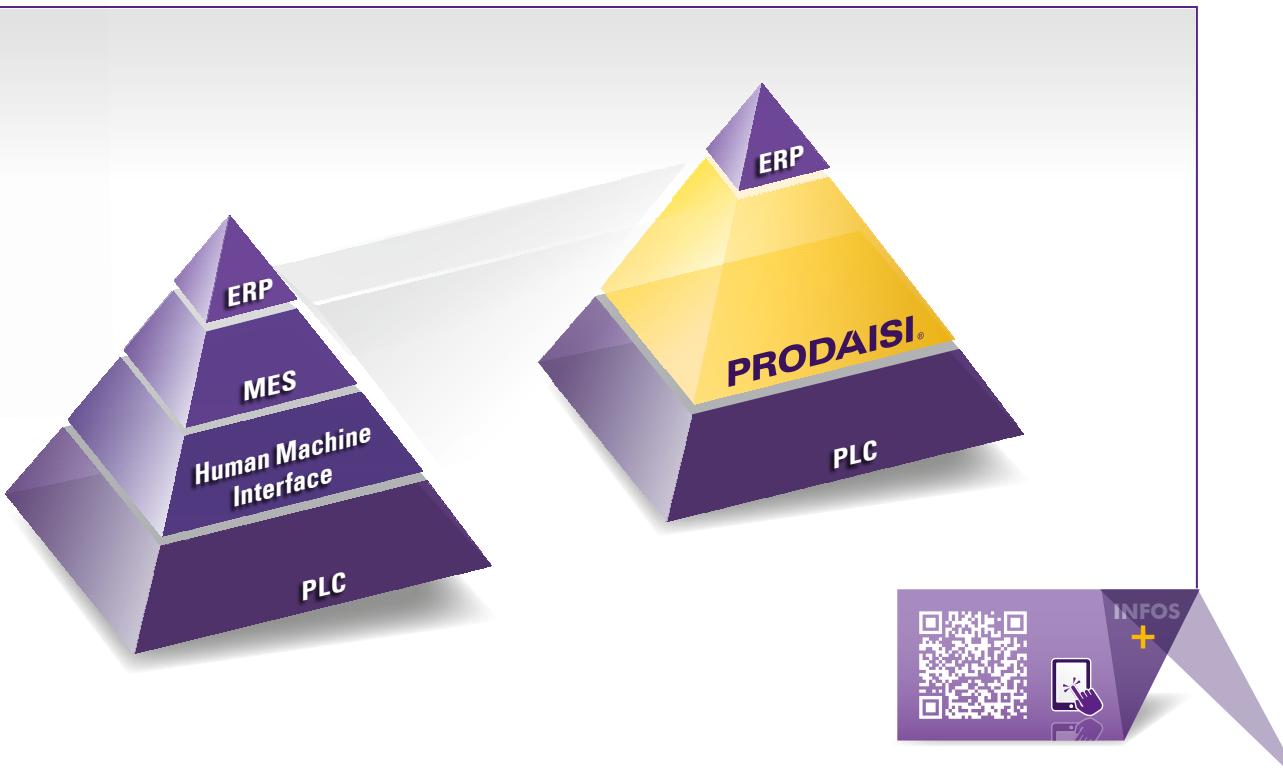
- ▲ Transparent manufacturing of the product from the supplier to the customer.
- ▲ Detail information about machine workload, errors and downtime.
- ▲ Traceability of each production step.
- ▲ Logging of all quality management activity.
- ▲ Linking the production and delivery data with the order and financial account of the ERP system.
- ▲ Always being up-to-date about the production.

PRODAISI®: CONNECTED CONTINUOUSLY ALL AUTOMATION LEVELS.

The traditional layout of the automation levels separates clearly between the control functions in the programmable logic controller (PLC), the visualisation of the control functions with the visualisation systems, the management functions of the MES application and the level of the ERP

system. Prodaisi® connects herewith the visualisation and MES tasks in one single system. An integrated user interface for the use of the system and also the MES tasks makes the simply application of the system possible for all employees from user to management. Direct interfaces to

all current PLCs' (e.g. Siemens S7, B&R, Beckhoff, ...) but also the current ERP systems (e.g. SAP) makes a continuous automated structure possible the basis of which is built on Prodaisi®.



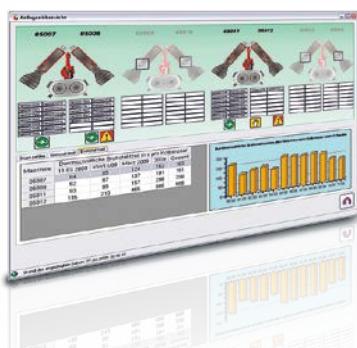
PRODAISI® – THE SYSTEM WITH LIMITLESS POSSIBILITIES.

HIGHEST AVAILABILITY FOR YOUR PRODUCTION SYSTEM.

SAFETY: FOR YOUR PRODUCTION AND INVESTMENT.

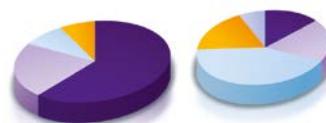
Prodaisi® has proven itself very reliable in various business sectors and areas of use. Many different kinds of software modules and interfaces but also modern architecture and the use of reliable SQL data

base systems guarantee you a flexible integration with, at the same time, a high degree of safety for your investment using Prodaisi® MES application in your manufacturing.



MANUFACTURING SURVEILLANCE

Control your production online. Inform yourself at anytime about e.g. disturbances, number of units and production capacities.



STATISTICAL EVALUATION

Evaluate the production data of your system and complete systems directly in Prodaisi®. Make tables and graphic illustrations and export these evaluations to e.g. Excel.



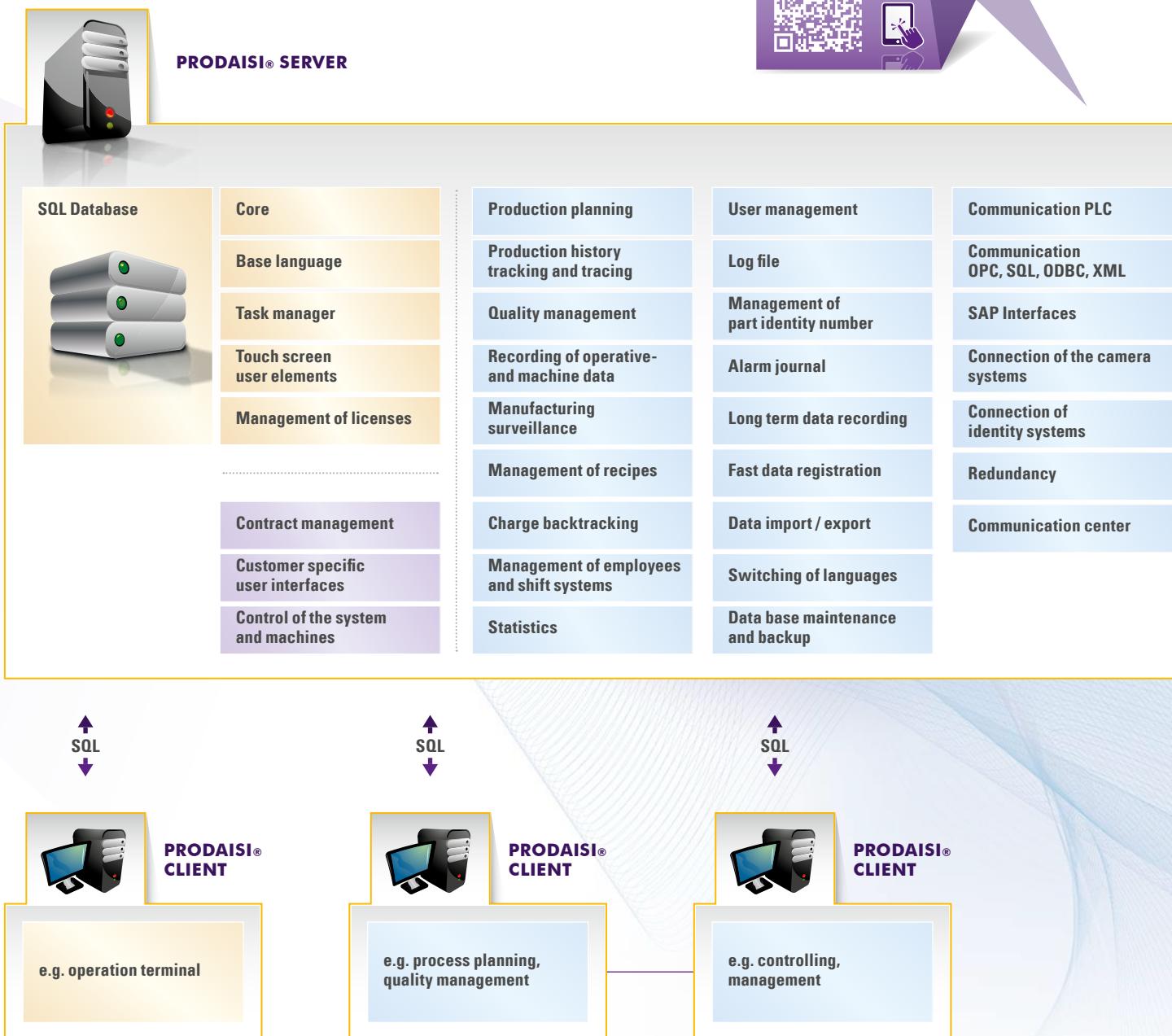
LANGUAGES AND TOUCH SCREEN

Online language switching up to 100 arabic, cyrillic and asian languages. All functions can be used without any problems over the user elements on the touch screen interface especially made for this.

FLEXIBLE STANDARDS: THE MODULAR CONSTRUCTION FOR ALL YOUR REQUIREMENTS.

For continuous and transparent manufacturing as well as for a high and constant quality standard Prodaisi® offers you as an MES application all necessary functions. The current manufacturing- and quality-

data from the individual machines and the work stations in the production will be recorded directly in Prodaisi®. They can be analysed there and can have a direct influence on the steering of the production.



THE FUNCTIONAL PRINCIPLE OF PRODAISI®

The client server based on Prodaisi® distinguishes itself especially through its modular and user friendly construction. By this means it is possible to find an individually adapted solution for each user. The basis for this is the Prodaisi® Server with its integrated SQL data

base and the communication interfaces to the machines, work stations and any other system that is connected to the Prodaisi® system. Any number of work stations fitted with the Prodaisi® Client can be supported with the Prodaisi® Server. The Prodaisi® Client/Server System is

fitted with many functional modules, which can be individually integrated into the complete concept and can be updated anytime. Each Prodaisi® Client work station has at its disposal the entire range of functions of the individually fitted Prodaisi® Servers.

“Prodaisi® offers us all necessary mechanisms and functions for the production, so that a high end, flexible and secure production is guaranteed.”

Mr. Baensch / IT Head / Georg Fischer

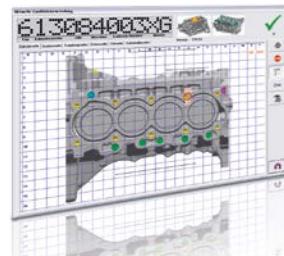
REFERENCE PROJECTS. WHERE PRODAISI® HAS ALREADY PROVEN ITS EXPERTISE.

GEORG FISCHER GMBH // AUTOMOTIVE

At Georg Fischer Prodaisi® steers the production of 3500 motor blocks every day. All production steps from casting to the further processing of the delivery are managed with Prodaisi®.

As soon as a motor block leaves one of the six casting machines, it receives a Data-Matrix-Code for the rest of its life. During the production intelligent camera systems read the code before further processing- or test steps are carried out. This way it is always possible to follow without any interruptions the motor block throughout the production. The data base system Prodaisi® takes on a wide range of important tasks. It identifies the individual motor blocks at all relevant stages e.g. at the machining centres, at the stage of fine stamping and of course in the test

areas that have been integrated into the production procedures. At the same time it organises and takes measures to further work on the motor blocks, collects the test results and orders if necessary respective steps to rework the blocks. Additionally the shipping will be organised. With the help of Prodaisi® it is possible to deliver the finished motor blocks to the shipping department depending on the form used in the casting machine, where they are then packed respectively. Additionally all data can be evaluated statistically. It is then easier to recognize a trend.



PRODAISI® ERROR RECOVERY

Errors recognised during the visual control are directly recorded and rework measures can be initiated.



PRODAISI® PRODUCTION HISTORY

All production steps of each part can then be traced a lifelong.

DATA + FACTS OF THE PROJECT

- ▲ Manufacture of 3500 motor blocks per day.
- ▲ Realisation and recording of approx. 60,000 manufacturing orders per day.
- ▲ Prodaisi® Data base system with 2 redundancy servers.
- ▲ 16 Prodaisi® Terminals for the system utilisation, quality control and shipping.
- ▲ Production control of 18 machines in two lines.
- ▲ Data exchange with higher based SAP-System.





INFOS
+

KCL GMBH // CHEMICAL INDUSTRY

Here protective gloves are produced fully automatically, in about 200 various models, starting with the more demanding chemical protective gloves up to special solutions for the protection in heat, cold and cutting conditions, but also gloves for the use in high electrical voltage areas.

"Prodaisi® offers us the possibility to react to the customer requirements very flexibly and to adapt at anytime to the newest market situation."

Mr. Weißenstein / Production Head / KCL

The capacity of the system can be optimised with the intelligent order handling system and the best possible use of the capacity that is available to us. Pro-

daisi® coordinates each order in the operative production with all necessary parameters. At the same time the complete production procedures are documented and graphi-

cally prepared. One mouse click is enough to see all necessary values, change them in the process sequence or registered quality data in the production. All incoming values will be stored at each stage. Additionally all data can be statistically evaluated and can be recalled at anytime. It is then easy to recognise any trends. Orders, process flows and recipes can be created quite comfortably on the PC and then shown on the data base server. The using here

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PRODAISI® PRODUCTION HISTORY

All manufacturing steps and parameters of each form frame can be traced a lifelong.

DATA + FACTS OF THE PROJECT

- ▲ Manufacture of 200 protective gloves per day.
- ▲ Realisation and recording of approx. 280,000 manufacturing orders per day.
- ▲ Production steering of 1 robot, 17 immersion baths, 7 ovens and 5 user places on 2 levels.
- ▲ 4 Prodaisi® Terminals to use the system.
- ▲ Fully automatic optimisation of the production during the process sequences.
- ▲ Dynamic order management and optimisation of manufacturing.



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