



XData

Production Process Planning System

Planning system for controlling production orders with the option of article definition and recipe processing.



XAPI XData is a web-based production process planning tool, for the rough and detailed planning as well as control of the production of a company. Production planning and production control is still the core of every industrial company with the aim of optimising the entire production system. XData includes the production organisation and presentation of all concepts, tools and methods that make up the efficiency and effectiveness of a production process. Plant operators benefit from the company-wide availability of all information without being tied to one workstation. XData supports production quality, reduces the susceptibility to errors and reveals optimisation potential.

OPTIMISE YOUR PRODUCTION IN REAL TIME

With XData, complex production processes can be optimally planned according to individual criteria. Thanks to the standardised connection to machines, the existing IT structure and a variety of ERP systems, XData can be used in almost any manufacturing environment. In its function as an order management system, XData stands for optimum control of machine orders with the possibility of making individual adjustments directly in the tool application, even during the running process. With the help of the integrated tools/modules, article definitions and machine recipe processing are also possible.

TRANSPARENCY AND TOPICALITY IN THE COMPANY

The market places high demands on the flexibility and responsiveness of your manufacturing company: you must always be ready to cope with short-term delivery dates and order changes, even at very late stages. Without suitable production planning via software, this challenge can no longer be met today. For this purpose XAPI has developed XData, a holistic solution which contains efficient and proven planning and optimisation modules for your production and represents a sustainable, holistic, IT-supported method of your production planning. Production planning with XData connects the planning and execution levels: projects, orders, machines - all team members can immediately see where the problem lies. As a manager you keep the overview. As a planner you have an instrument for effective production planning. As a project manager you can control your projects with foresight. As a worker you can see what needs to be done and can confirm orders. With XData you can centrally monitor, measure, analyse, control and improve all relevant key performance indicators, increase the productivity and performance of your plants and improve the overall business result.

www.xapi.de

FUNCTIONS

XAPI XData provides various functions to optimise the order processing for industrial plants:

- The simple **creation, editing and management of machines (groups)**, company **articles** and **recipes** with the possibility of Assignment:
 - individual machines are adapted to a production line and tested for their function (incl. colour coding for test results),
 - Orders are processed, brought forward or put back,
 - Recipe parameters are changed and re-parameterised in the **recipe form designer**.
- **Clear and controlled production planning** based on release and blocking mechanisms of orders (articles or machine recipes) supported by colour and symbolic marking of the processing - Early fault indication by **immediate status feedback**.
- A quick overview of **production lines, machines (groups), PLC configuration, variable definitions, contributors** and their activities (**activity history**).
- **Search and filter options** as well as **copy and delete functions** facilitate the processing of the lists and can be traced in the history overview at any time - **revision management**.
- The **simple user and rights management** allows customer-specific settings for access to the user interface, parameterisation and configuration.

PURPOSE / USE

- A company-wide, **centralised solution** for the **efficient mapping of production sequences** and the control of press orders while simultaneously taking into account multiple resources.
- An **easy tool** for the clear presentation of the order situation, processing sequence and capacity utilisation with simultaneous increase in **planning reliability**.
- **Simple operation and menu navigation**:
 - with the 1-click operation all data and information becomes visible. This saves on training and manuals and contributes to a high level of acceptance.
 - a **structured mapping** of the data enables easy navigation and visualisation.
- Ideal for **parallel and overlapping production** and the display of individual resources in a capacity utilisation overview leads to a long-term **increase in productivity**.
- To **optimise communication**: distributed teams are enabled to work together in **real time**. Information is exchanged and shared. Interactive and fast action is thus always guaranteed.
- **Easy sharing of data** Project teams work on one database on different terminals.
- A **multilingual option** for international teams.



TECHNOLOGY

- The browser application (IE, Google, FireFox etc) is hardware independent and does not require any software installation at the workplace.
- Connection via standardised interfaces.
- Standardised interface to PLC systems.
- Central SQL database and central application server.
- Interface to ERP systems (e.g. SAP, Navision).

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Get in touch with us, we will gladly inform and advise you!

