

**ROGLER**  
SOFTWARE



**independent,  
modular MIS/ERP  
Industrie 4.0**

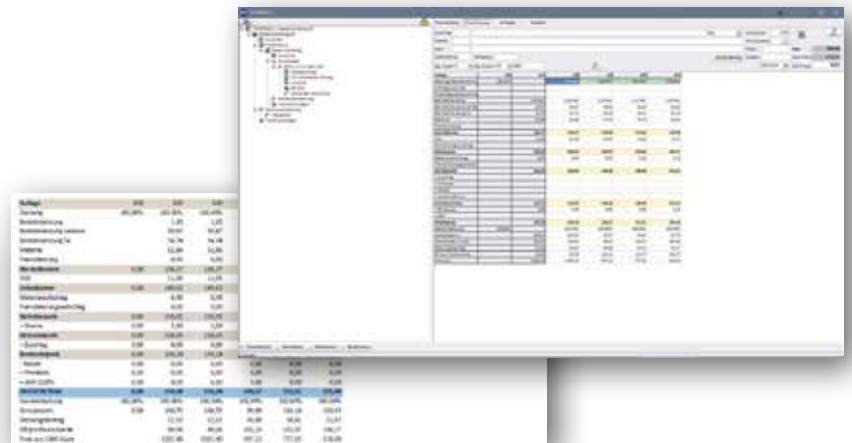




## Pricefinding

You can easily get a cost overview at each level of the calculation tree. The offer-target price can be adjusted continuously by changing the contribution margin or it can be oversteered directly. The system automatically re-calculates and provides information about the consequences of the price change.

Marginal costs can be either defined individually or as a lower limit.



## Process

The electronic job ticket is the central shop floor paper. ROGLER|mis supports the display for the product, product-part, or print sheet. All calculations and inputs are transferred from the costing into an individually created electronic job ticket window. The information can be changed or adapted with special hints. The output can be conventionally on paper or the job ticket is passed on electronically. That makes sure that only the latest version is used.

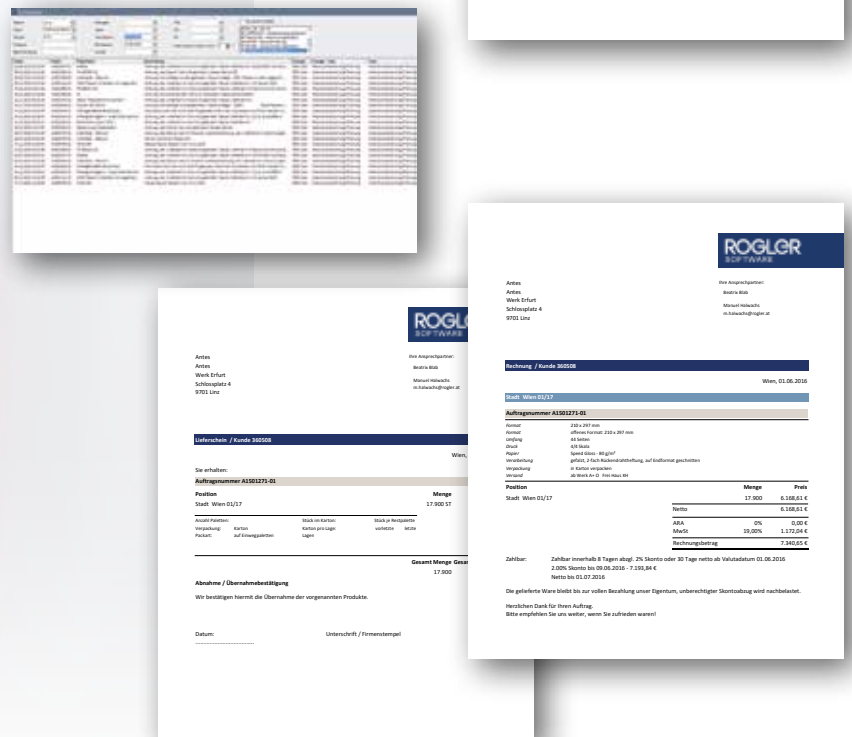
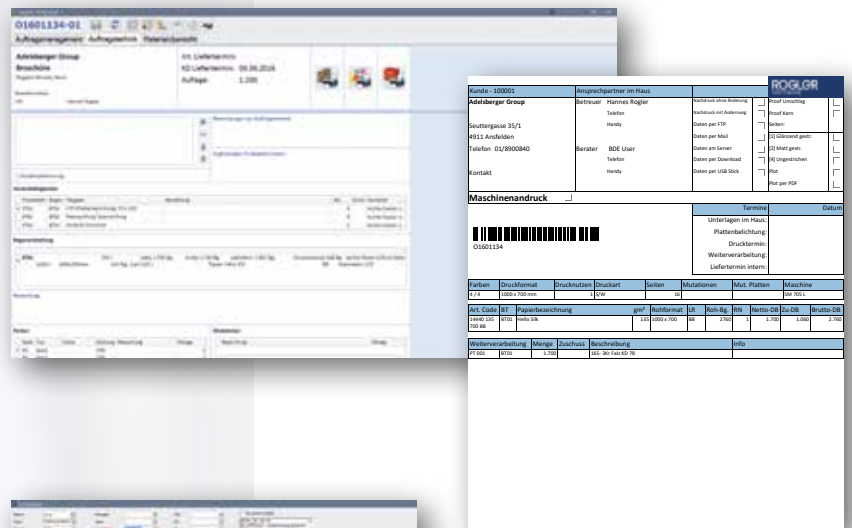
### Process Documentation - Change Alert

Simultaneously with the release of a job for production there are messages generated for every team involved in the process. From that time on all changes within the job concerning print run, colours, dead lines or specific problems related to the production are recorded in the interactive process documentation tool. Each of the involved staffs are alerted of a new record and must acknowledge its messages as read. If additional costs are generated, the information equally will not be lost but is passed on to the billing.

### Order papers

OFFR, ORDR, DLVR, INVC, C/N, Complaints

All order papers are generated from the data and information entered through the process and are immediately available.





## ROGLER|plan - Planning & Monitoring

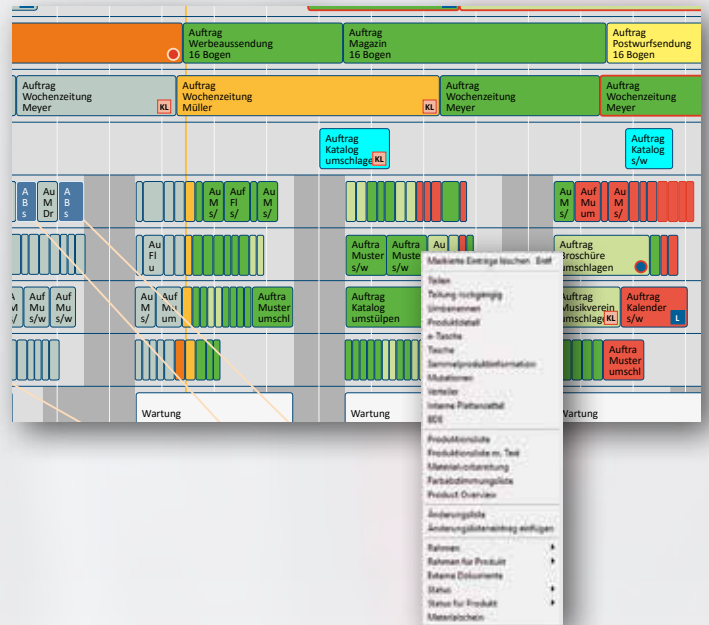
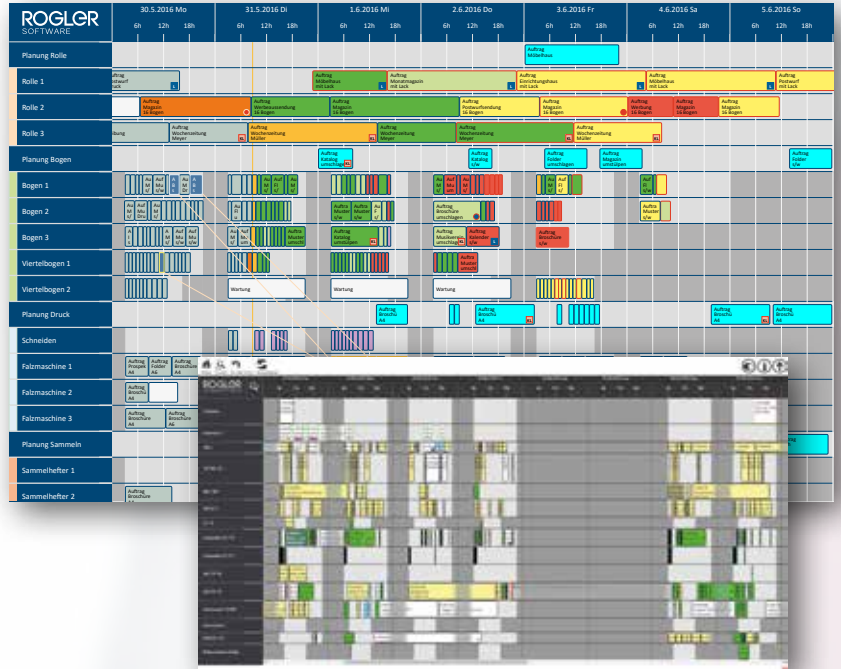
**ROGLER|plan** forms the central control & information system in a networked production process. Here, all relevant information is collected, visualized and available at any time and any place throughout the company.

**ROGLER|plan** works like the analogue planning boards on the walls: vertically the cost centres/machines are displayed, horizontally the time axis runs. In order to identify the capacity the shift schedules are entered and show 'capacity' and 'no-capacity' in the background of the board. The jobs are displayed as planning cards, the length of one card indicates the calculated production time. When a planning card is activated all related jobs of the order will be highlighted and in the bottom of the **ROGLER|plan**-window one can find all relevant information concerning this order.

**ROGLER|plan** is the tool to transport the job data into the production process and on the other hand the feedback of the production units are displayed in here.

The planning card carries a lot of information:

- the colour indicates the status of the job (not ready-readystarted- finished-...) Status that should be displayed can be defined individually
- different markings (frames, icons) can be used to point out certain production specific features (varnish, special colours) or e.g. 'customer will come'
- a special marking for parallel production on web fed machines
- place holders can be used to reserve production time for a prospect order that is not yet calculated. Placeholder can equally be used in order to block time for maintenance jobs.

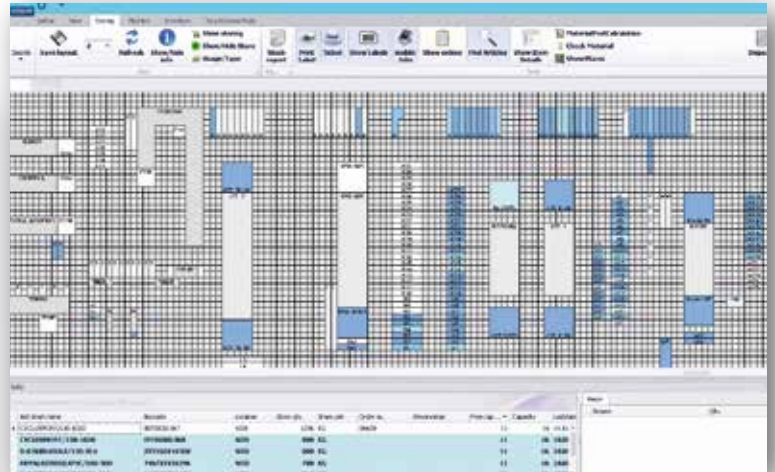




## ROGLER|logx - Graphical Stock Design

A software aided paper logistics system offers multiple opportunities to optimize workflows and leverage cost cutting potential. The ability to identify the delivered paper rolls reliably and locate the semi-finished and finished products precisely on their journey around the facility is the key to economical material handling.

**ROGLER|logx** is a practical and cost-efficient software solution that provides accurate information regarding the exact whereabouts of the goods at any time. Users benefit from a more transparent flow of materials and lower costs for capital-intensive paper stocks. All storage areas where materials are placed all over the plant are entered in a general graphic stock plan: main storehouse, in- and out-zones at the machines, etc.

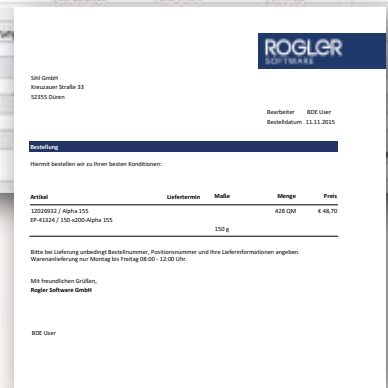
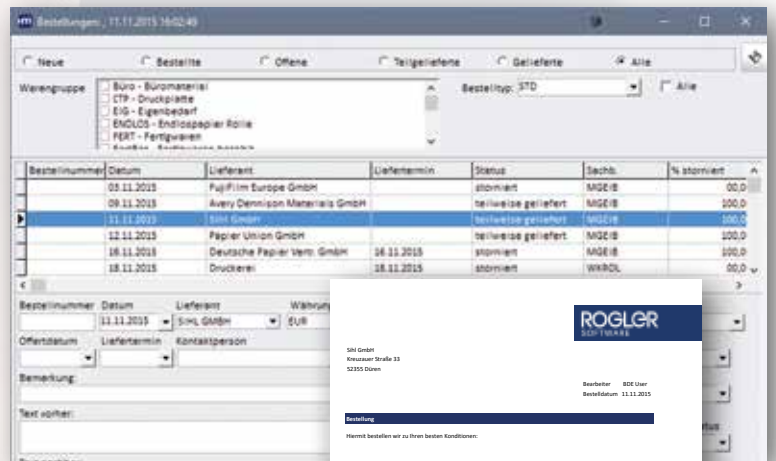


### The Mobile Solution

**ROGLER|logx** keeps a close watch on which materials – and above all how much of each one are consumed in the course of a particular order. When the goods arrive at the warehouse, a scanner reads the identification number of each individual roll and books it to the right job. The scanner-software is integrated part of the **ROGLER|logx** solution, that means it also notifies **ROGLER|plan**, the Electronic Planning Board, and sets the status to ‚paper in stock‘.

### Tracing & Shipping

The actual consumption is automatically booked to the order concerned. Residual quantities are entered in the system, re-labelled and placed in storage again to enable any remaining rolls to be managed efficiently. Finished pallets are re-labelled directly at the web press and can then be transferred from one cost centre to the next. Every pallet can be located easily in this way: **ROGLER|logx** indicates the current position of all semi-finished or finished products. The required paper and other consumables can be ordered online using **ROGLER|logx**; the supplier labels the goods with a barcode or RFID and delivers them in accordance with a zero stock concept, for instance. The reels /pallets or consumables are then either assigned to the appropriate storage position in the stock or dispatched directly to the press. When a reel is retrieved from stock, it is supplied to the press in minimal time.



Planning Board

Stock/Material



JDF/JMF

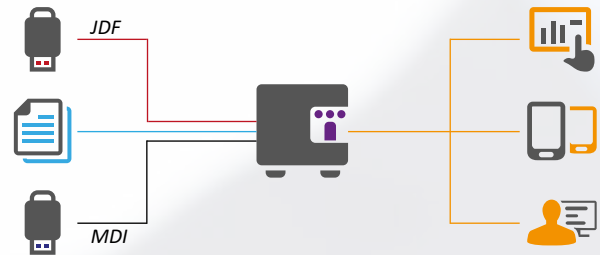
Electronic Workorder



## Job Floor Data Collection

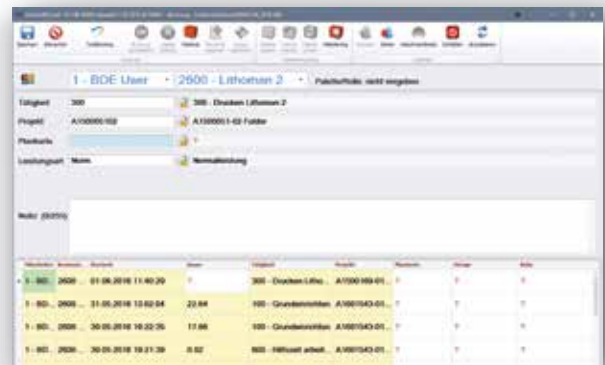
the data acquisition can be realized in 3 ways:

- automated bookings out of JDF/JMF connected machines
- automated feedback out of **ROGLER | mdi** connected machines
- manual feedback out of bookings in **ROGLER | bde**



the generated data are used for

- dynamic production planning and optimization
- final costing and ex post control
- machine output profiles
- material consumption



## Controlling - Business Intelligence

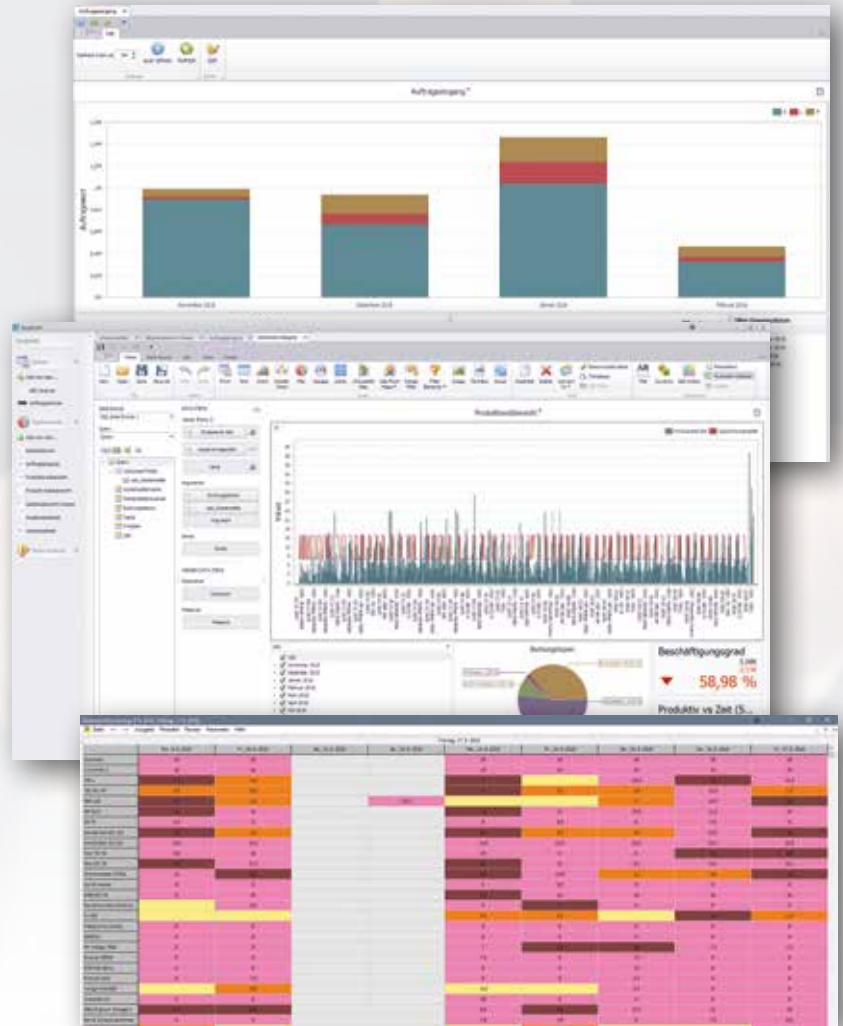
A wide choice of controlling sets allows the complete monitoring of the operations and processes:

- value creation
- production costs
- efficiency of cost centres
- cost of complaints
- customer statistics, turnover, etc.

A cockpit is at your disposal. It can be designed according to your requirements.

### Sales Control & Bottle Necks

A smart overview displays the degree of capacity utilisation. It is easy to identify slack periods that should make the sales run. On the other hand bottle necks can be seen and the measures to be taken can be planned in time: enlarging the capacities with an extra shift, giving work away, etc.



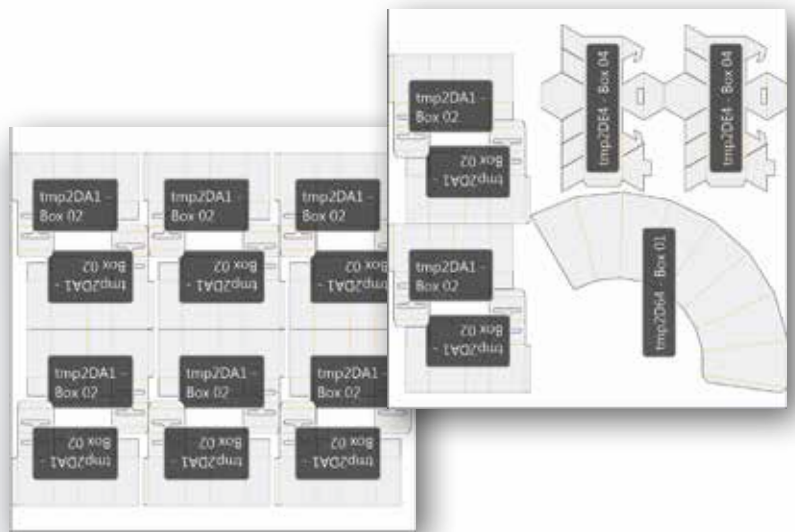


## Imposition & Ganging Manager

Sophisticated imposition tasks? Optimized ganging? Irregular shapes for packaging to nest? **ROGLER|imp** is embedded in the estimation tool and accepts these challenges fast and easily.

The ready imposed sheets are either passed on to prepress via JDF or a print-ready PDF can be delivered to the workflow if the customer's data are already available.

Optimized ganging works perfectly for the combined production of different versions. The grouping of similar jobs equally will be optimized considering print runs and delivery dates. Gang printing saves!

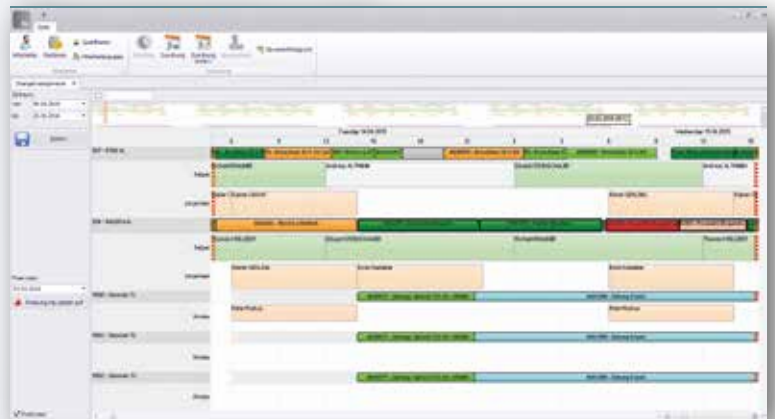


*How does all work together?*

## Manufacturing Execution System

Modelling services simulate, predict, and optimize production performance to maximize asset value and to deliver the answers you need for effective decision making.

- determine KPI trends
- discover early production problems
- de-bottlenecking
- optimize well performance



*The*  
**Management Information System**  
*on your side*

**ROGLER** will streamline ...

... the flow of **information** through your processes!



... the flow of **material** through your production!





## Industrie 4.0

Pioneering developments available

Big Data for the most efficient **production process**.

Based on all ever calculated products with ROGLER we find – considering the equipment in your company - the best ways of production and we display the top 5 with their calculated costs.

So that's the way we calculate standard products: select the most convenient result – OK – calculation done!

### Usually that's 70%-90% of your calculations!

Pricing adjusted, offer created „at-the-touch-of-a-button“, sent as a PDF via email, the contact reminder set automatically. Next offer!

### Optimize the production scheduling

The most efficient production order will be calculated based on mathematical algorithms under consideration of your predefined criteria (e.g. delivery date, set-up time, costs)

Alerts out of the production take immediately influence upon the planning: info to the planner and proposal for a new optimization.

- Automated **time- and material bookings** out of connected machines
- Integration of **self driving lifters** in order to realize e.g. the automated transportation of pallets to the next planned machine.
- **Improvement & savings** in the warehouse by route-optimization through targeted storage strategies that are based on the knowledge database of the past movements.



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AUSTRIA

### Technical Specifications

The ROGLER developers team operates with most effective, upto- date programming tools. Microsoft SQL Server is a powerful, high capacity, easy-to-handle standard database, which is constantly maintained and improved by the manufacturer.

The entire Microsoft world is accessible and easy-to-use in combination with ROGLER Software Suite.

That means investment security for our customers.