

WEINIG CONTROL SUITE

Smart production with WEINIG
Modular, transparent, automated

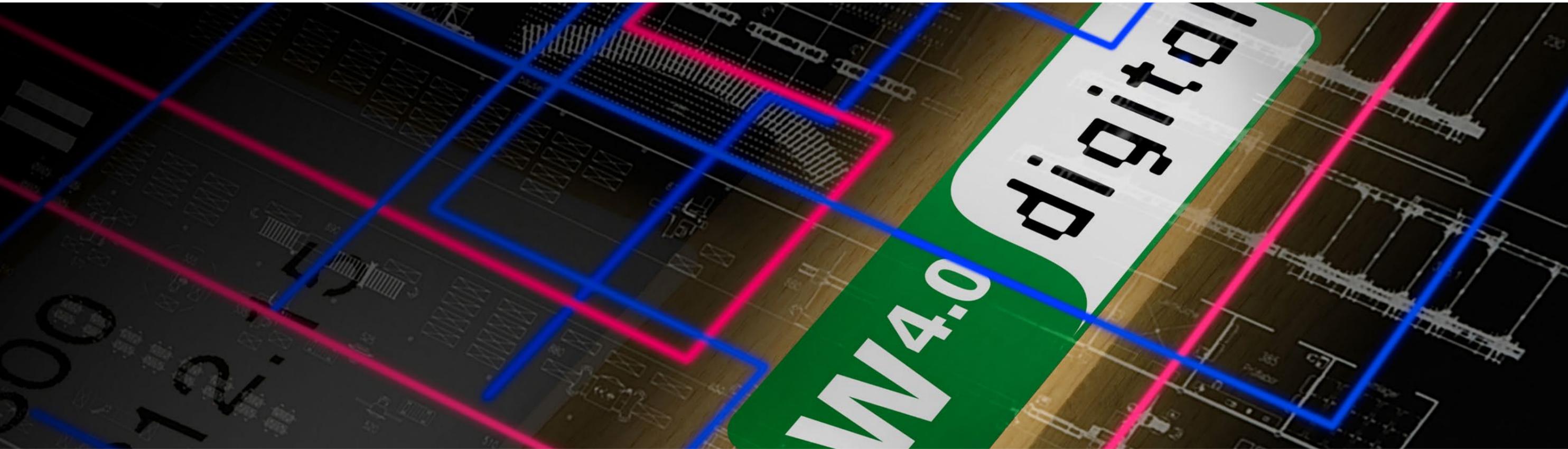


W^{4.0} digital

Central system control
technology re-defined



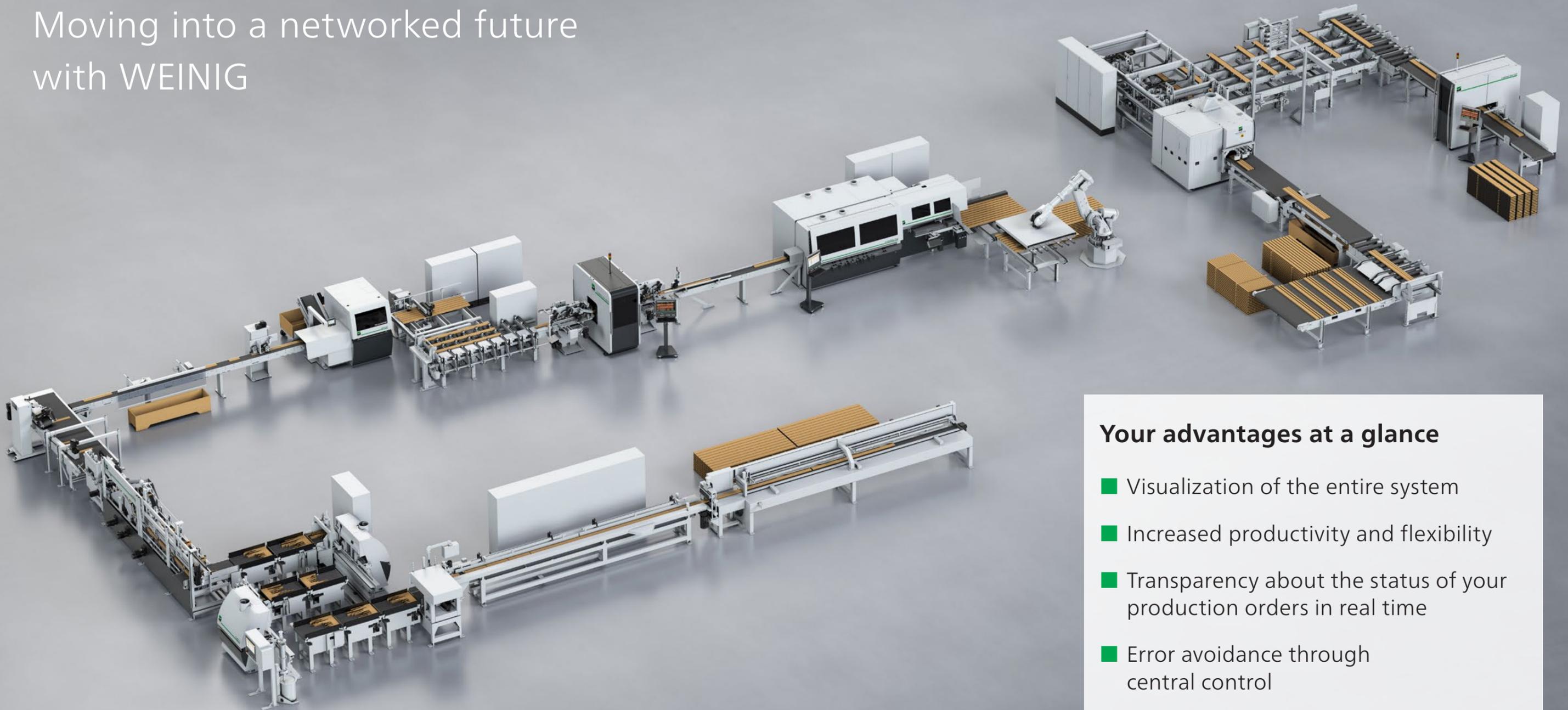
Designing processes



Use a modern, efficient and economical production organization to cope with the new challenges in wood processing. Automated, networked processes are the most important prerequisite for this. A central component is digitization, which ensures extensive exchange of information between man and machine.

The WEINIG Group is the right partner and companion for you also in this important development phase. With W4.0 digital, we have created a groundbreaking standard. And what we do is always subject to one central objective: maximum customer benefit.

The Control Suite: Moving into a networked future with WEINIG



Your advantages at a glance

- Visualization of the entire system
- Increased productivity and flexibility
- Transparency about the status of your production orders in real time
- Error avoidance through central control
- Open system for integration of external machines
- Intuitive operation
- High individuality through combination of a large number of modules

The WEINIG Control Suite controls your complete production line

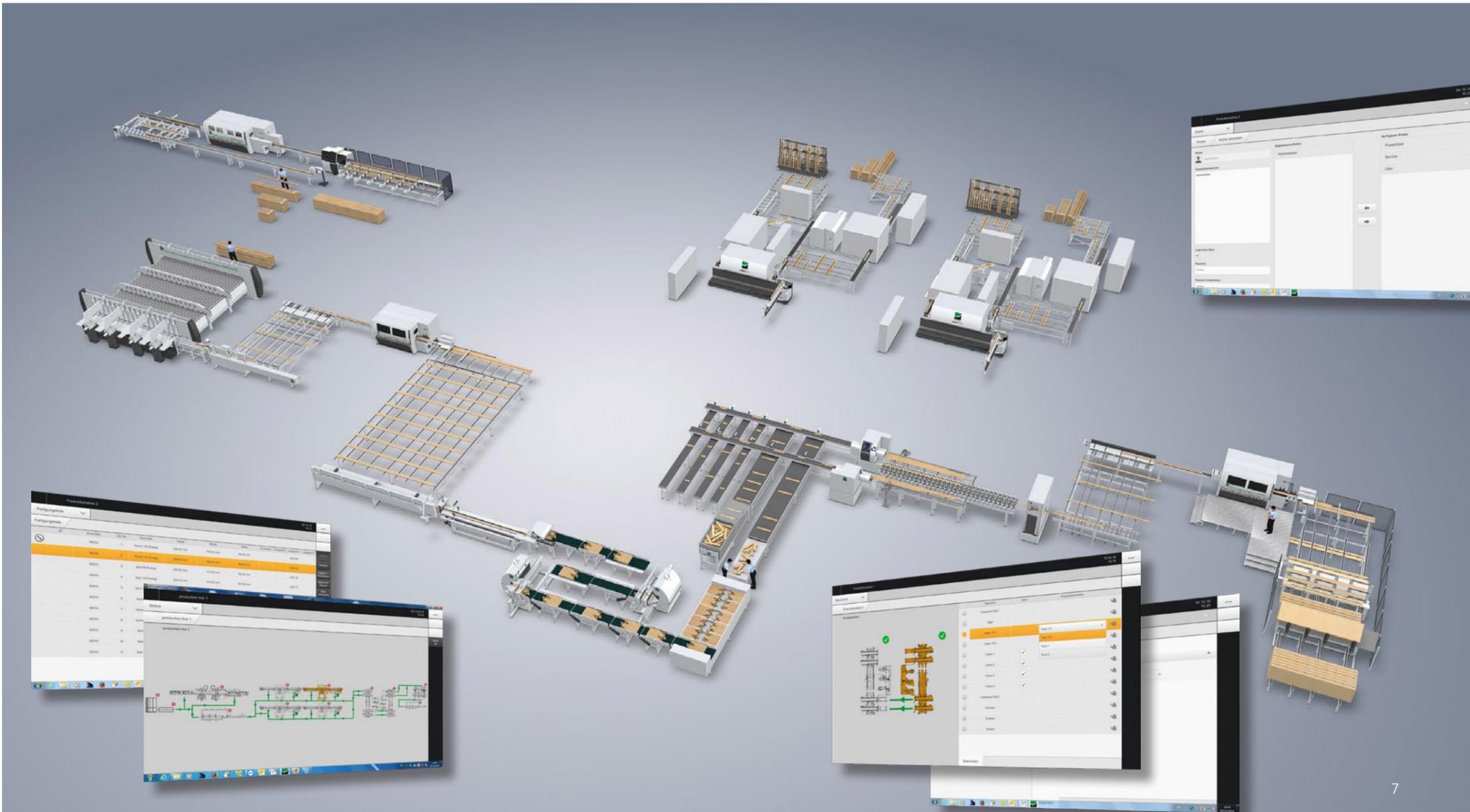
The WEINIG Control Suite is an application for controlling production lines consisting of at least two interlinked machines. By combining a large number of standard modules, you can easily adapt the system to your specific needs.

The central system control enables the fully automated production process. It is a prerequisite for the digital linking of the individual production cells. By transferring the production data to upstream and downstream cells, it optimizes the flow of parts through the production line. Cells can consist of any kind of element (machines, mechanization) from the WEINIG product portfolio and from other manufacturers. The central system control makes single-operator solutions possible.

The WEINIG Control Suite creates transparency about the production units and order data. It allows you to create, manage and track production orders. Status information is available in real time.

The central system control can be networked with external systems such as customer-specific ERP, PPS, WP and industry software. It delivers and receives pre-defined data records.

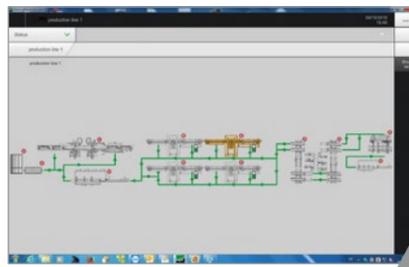
- System visualization
- Production control
- Wood type management
- Profile / dimension management
- Machining administration
- Parts / batch management
- Sequence control configuration
- ODC / MDC evaluations
- Order management
- User administration



Useful modules:

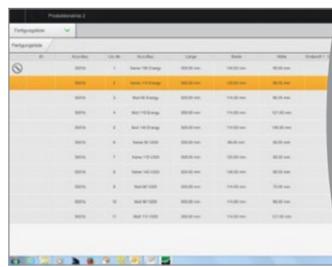
For more transparency and efficiency in production

- The entire production line, including the current machine status, is visualized on the central system control.
- This enables flexible control of the production process. Machines with the same processing procedures can, for example, be deactivated for maintenance work. Deactivated machines are displayed as red traffic lights.



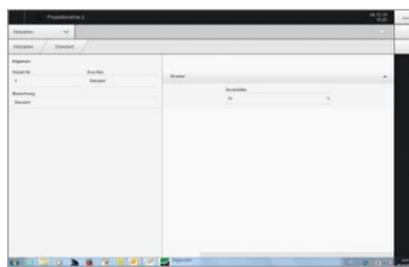
System visualization

- The central system control is connected to all machines in the production line via a network.
- It reloads parts or batches for production and optimizes the flow of parts within the plant.
- It generates the data for each part and sends it to the respective machine / processing station at the right time.

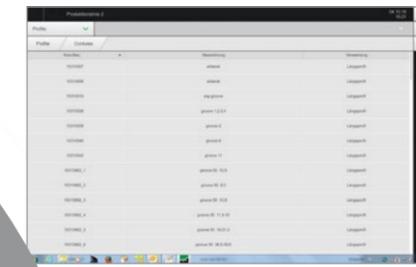
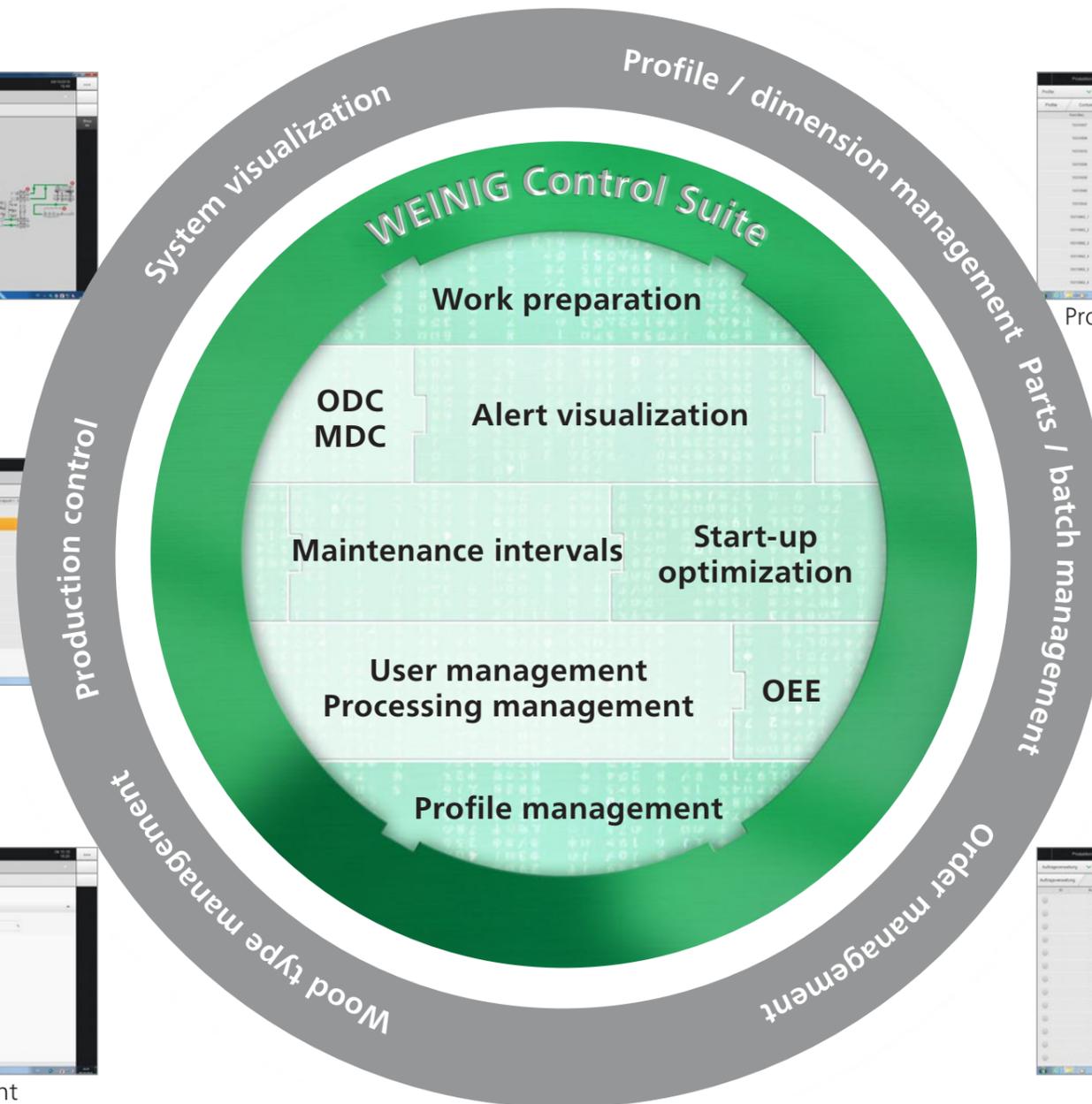


Production control

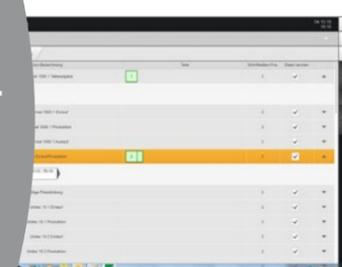
- Different types of wood can be stored.
- The type of wood to be used is selected via the imported order and can be different for each part.
- Depending on the type of wood, parameters for the production process, marking or tool monitoring are stored.
- The system automatically optimizes the machining processes (e.g. adjustment of feed, speed and machining cycles) based on the type of wood and orders transferred.



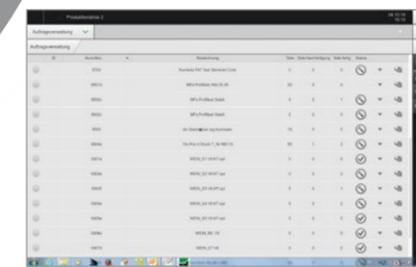
Wood type management



Profile / dimension management



Parts / batch management



Order management

- The central system control has all the necessary information on the profiles and setting options of the networked machines.
- Based on this, it controls the settings of the networked machines in relation to parts or batches.

- Parts and batch management allows you to track which parts or batch processing takes place on which machine.
- With system visualization, it is therefore possible to determine at any time where the work-piece / batch is located in the line.
- In the event of a fault, the operator has the option of adjusting parts at individual stations without affecting other parts of the line or production processes.

- Order files can be imported into the central system control and export in the same or a different format is possible.
- The operator can create, edit or delete jobs in the job management module.
- He sees the current progress of the order and can create re-production orders if required.
- As soon as the system operator has decided on an order, he can release it for production.

ODC = operating data collection
MDC = machine data collection
OEE = overall equipment efficiency

Even more transparency with the WEINIG App Suite

The monitoring functions of the WEINIG App Suite are the perfect supplement to use your control station data independent of location and device. These are available for mobile devices and as web applications. Thanks to the harmonized user guidance of the Control Suite and App Suite, you will quickly and intuitively find your way around both systems.

The advantages at a glance:

- **viaMonitor:** An overview of the current machine status and evaluations at any time and anywhere
- **viaNotify:** Increased machine availability through simplified detection of frequent causes of malfunctions
- **viaOrder:** With the order overview, you always have a clear picture of your customer orders and their progress.
- **viaMaintain:** More efficient maintenance planning thanks to a digital maintenance overview.
- **viaCondition:** Best possible availability and maximum service life of your wear parts thanks to sensor-based condition monitoring.



You can expect big things from us: WEINIG – Your partner for the future



We are here for you

Comprehensive consulting for example on optimum process integration is standard service at WEINIG as well as a well-tested training plan with effective training sessions. Our branches on all continents and an extensive service team guarantee rapid help where and when you need us. As you see: WEINIG offers more.



Consulting



Training

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