## Manufacturing Execution System

# Transparency due to ControllerMES

The digitalization of the wood and furniture industry focuses on efficient production processes, optimal data quality, and absolute transparency — but an optimal production process is not related to the size of the company. The new business area "HOMAG Consulting and Software" is developing tailor-made software solutions, including solutions for trade. ControllerMES, the manufacturing execution system from HOMAG Consulting and Software, enables an integrated information flow within production and at the same time offers the option of digitalized production planning and organization.

The data is created in an upstream design software such as woodCAD|CAM and transferred to ControllerMES. This guarantees that there are no data processing errors. Labels with barcodes enable the unique identification of each component — regardless of its current stage of production. Furthermore, the machine data required is supplied to the relevant machine through the reading of barcodes. Waste is reduced thanks to the flexible grouping of jobs in batch formation and the seamless communication with the Cut Rite cutting optimization software.

The progress of the jobs can be viewed in ControllerMES throughout the entire production process. This means that you can see at a glance whether the individual furniture components are ready for assembly or can be delivered to the construction site. And if a part has to be reworked or reproduced quickly, the predetermined logic in ControllerMES helps with this process.

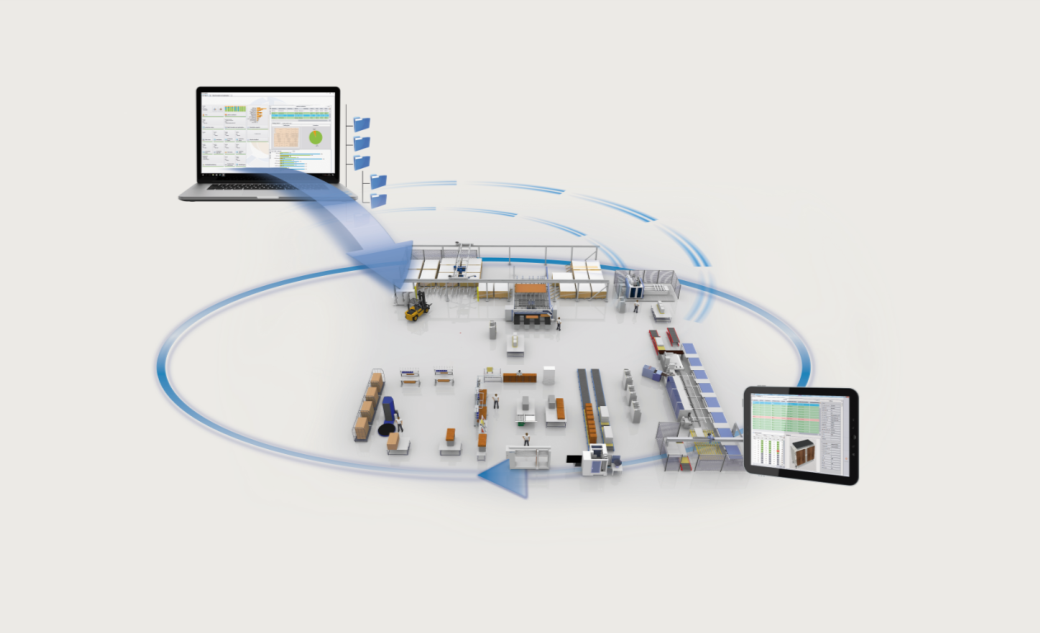
In other words: thanks to ControllerMES you are always in control of production planning and organization.

Pictures

Pictures courtesy of: HOMAG Group AG



Fig. 1:  
ControllerMES as a higher-level system for controlling processes and material flows



**Fig. 2:**  
Optimum production processes are not a matter of company size

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