

Expert software for automatic planning of production orders



TMS

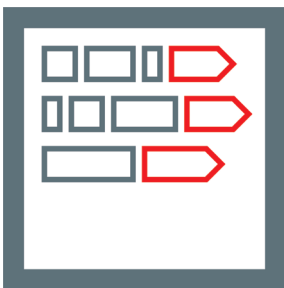
Textile Manufacturing Simulation (TMS) is a shop floor planning tool featuring automatic planning and interfaces to ERP and MES systems. It is developed to create the most efficient production schedule for all active production orders (SFOs) and has two main functions:

- Schedule simulation via graphical planboard
- Planning rules editor

The System is fully integrated and synchronized with the Sedo MES systems SedoMaster and Sedo PPS SedoExpert, so its also possible to cooperate and exchange data with other MES and ERP/PPS solutions.

Benefits:

- Order meets delivery date
- Optimized machine utilization, resources and energy costs
- Optimized quality



Schedule simulation

The simulator calculates and visually presents optimal production schedules taking into account order details and user-specific planning rules like article types, color and customer preferences.

Delivery dates for existing orders are saved automatically from the ERP system and integrated into the production schedule. With TMS, calculating estimated dates for future orders becomes an easy task.

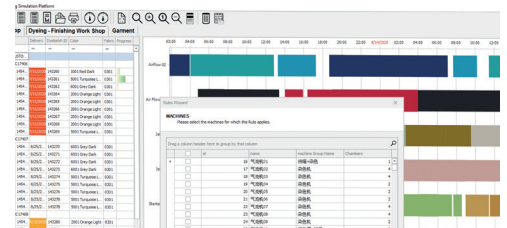
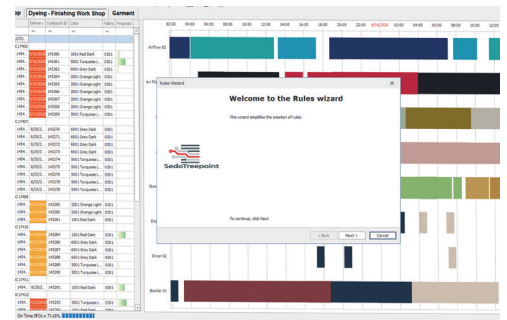
Machine compatibilities and capacity constraints, such as min. and max. width as well as fabric-machine incompatibilities, are included in planning processes. This ensures optimal machine utilization and helps save resources and costs related to boil outs, heat settings and more.

The operator can use TMS as an interactive planboard to evaluate scenarios and adjust schedule suggestions. Also, the possibility to filter after a single SFO for status information or a machine for its utilization is a useful supplement.

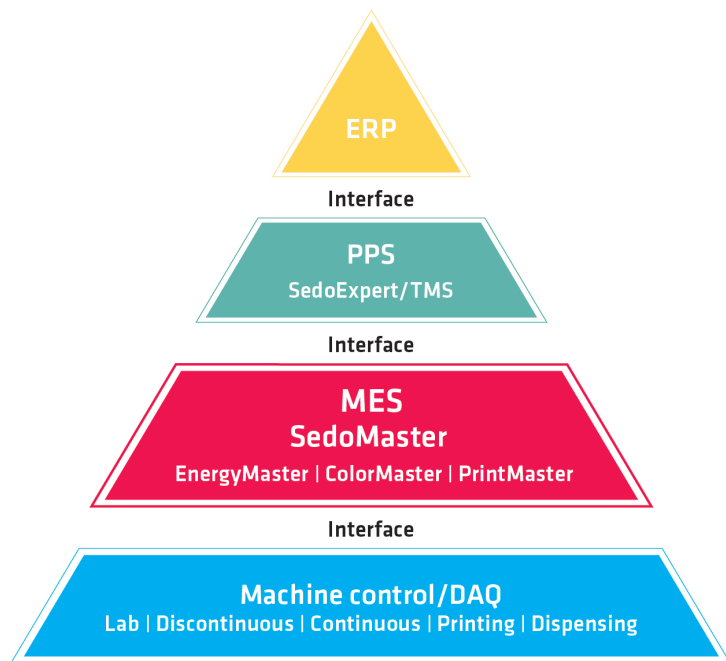
Planning rules editor

Incorporating more than just physical constraints, the system also integrates the customer’s business logic and production rules. These rules dictate the inclusion of specific machines in the production schedule, considering factors like fabric quality, color, customer preferences, printing patterns, and more.

All rules can be created using a powerful rule editor, allowing the formulation of rule scripts, or through a user-friendly rule wizard.



Rule Editor Wizard



TMS optimization together with Sedo Treepoint MES closes the gap between ERP and machines.

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Technical specifications are subject to change without prior notice.