

## Expert software for the fully automated textile industry



### SedoExpert

SedoExpert is the intelligent solution for production planning systems (PPS), specifically designed to meet the needs of modern textile operations. The platform enables seamless, automated workflows within a fully integrated production environment and supports key application areas such as:

- Knitting, weaving and printing mills
- Fabric and yarn dye houses (exhaust and continuous)
- Laundries and denim plants

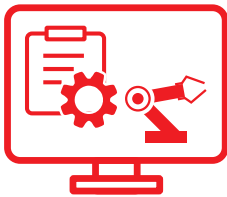
SedoExpert brings together all essential functions – from order and inventory management to production planning, invoicing and comprehensive MIS reporting. In combination with MES systems such as SedoMaster, ColorMaster or EnergyMaster, it creates a fully networked process that is transparent, efficient and ready for Industry 4.0.



## Overview



**Customers orders management** involves the end-to-end process of handling orders placed by customers for products or services. This process is crucial for ensuring customer satisfaction and operational efficiency.



**Production orders management** and **Process settings management** involve overseeing the process of creating and fulfilling orders for manufactured goods. It ensures timely and cost-effective manufacturing, high-quality products, and satisfied customers.



**Costing functionality** refers to the processes and methods used to calculate the cost of producing goods. It encompasses various activities and tools to determine, track and analyze costs associated with production, operations, and overall business functions.



**MIS** provides data management for efficient operations, while **Business Intelligence** turns data into insights for strategic decision-making.



**Lab management and operations management** ensures labs and businesses run smoothly, efficiently, and safely. The principles of process optimisation, quality control, resource management and continuous improvement are central to both. Effective management in these areas leads to enhanced productivity, quality and overall organizational success.



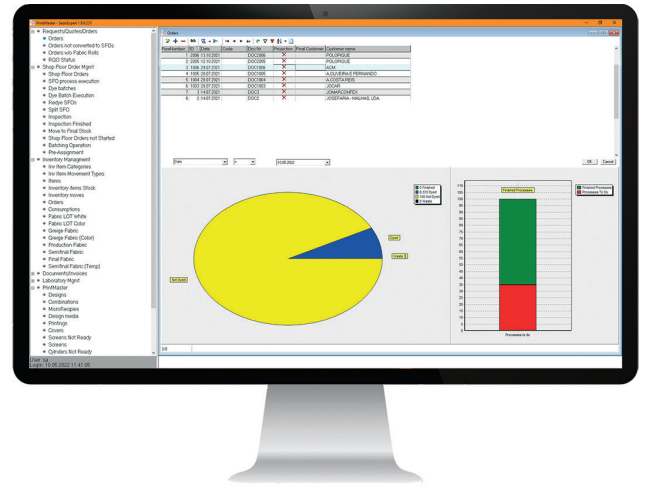
**Inventory** refers to the goods and materials that a business holds for the ultimate purpose of resale or production. It is a critical asset for any organization involved in manufacturing, retail or distribution as it directly affects sales, customer satisfaction and overall business operations.

## Applications

### Customer orders management

- Request, quotation, order receipt
- Order and follow up execution
- Costing
- Pricelists and commercial agreements
- Customer relations management
- Supply chain management
- Billing

This module covers a large number of operational functions which supports in customer orders managing processes. Its integration with the ERP system ensures access to all necessary information for comprehensive order management.



Customer order overview



Overview core functionalities and optional features

## Costing functionality

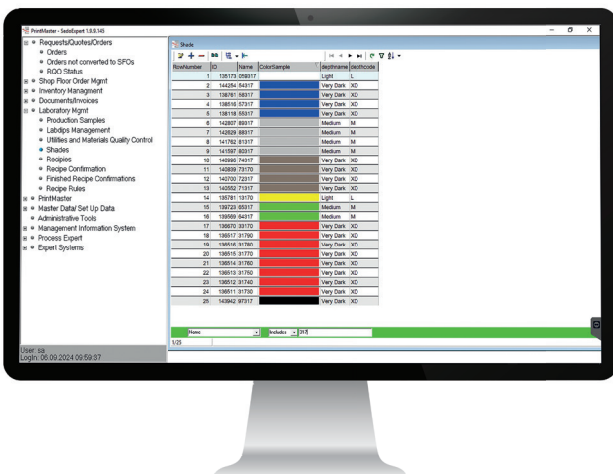
This function allows the user to calculate theoretical costs of an order as early as when an order is placed and later monitor and compare actual with theoretical cost. Actual costs consider every single costing aspect (materials, labor, overhead, energy, water) making the costing module an extremely powerful decision supporting instrument.

## MIS & business intelligence

Data from all systems included in the integration framework are collected centrally in the SedoExpert database and utilized by a very powerful reporting and Business Intelligence System. It is especially designed to facilitate operational and strategic decision making by textile factories. It stems from our decades-long field experience and will help the various management levels to make the correct decisions in every occasion.



Dyebatch planning and monitoring



Overview lab management

## Lab management

This module allows users to manage the Laboratory:

- Lab samples and dips management
- Incoming materials control
- Lab tasks management
- Recipes management

## Inventory module

- MRP function
- Transactions management
- FIFO reconciliation

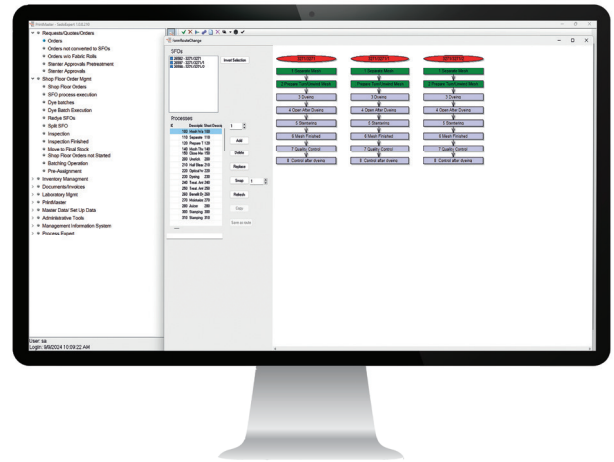
The module manages dyes, chemicals, fabrics, packaging, auxiliaries etc. inventories according to general ledger and accounting requirements (FIFO). It also manages all types of inventory transactions (purchases, consumptions, shipments, etc.). It further issues monthly inventory consolidation reports and performs MRP tasks.

## Production orders management

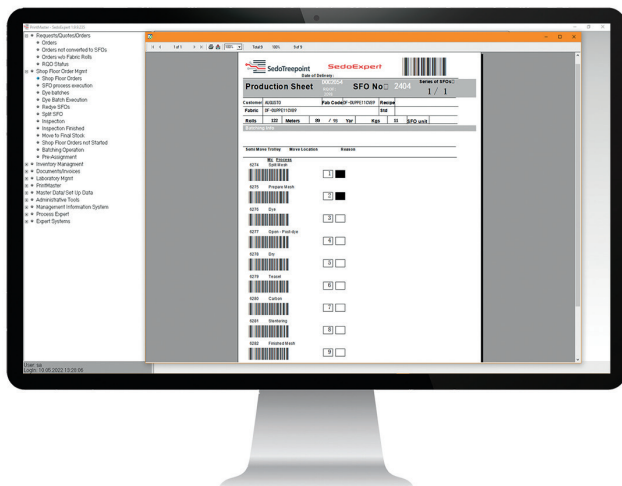
- Production order creation
- Planning, batching and routing
- Order execution and costing
- Re-process-management
- Process settings management
- Quality management

## Production planning module

The production planning module comprises a large number of functions. Customers e. g. can plan automated schedule generations as well as interfere their schedule suggestion with the interactive user planboard. It's also possible to evaluate different scenerarios and user specific planning rules can be defined. By integrating other applications like SedoMaster, export planning results and update plans can be shared.



Production route of order



Production sheet for barcode scanning

## Process settings management

Using this operation management customers can do order execution, quality and inventory management as well as continuous expert processing like fabrics processing, new product development, finishing trouble shooting and best practices support.

The process setting manager controls the setting values to ensure consistent processing for the same or similar products.

The troubleshooting function enables users to address production problems on-line during processing. It can guide users towards re-establishing the optimum way to process fabrics and achieving the required results.

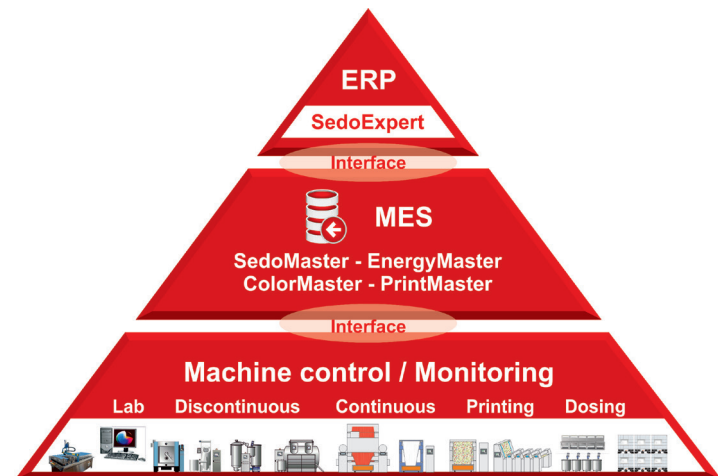
## Connect with machine level

SedoExpert can be interfaced with individual machines via Sedomat controllers which ensure data exchange between the MES and the machine components.

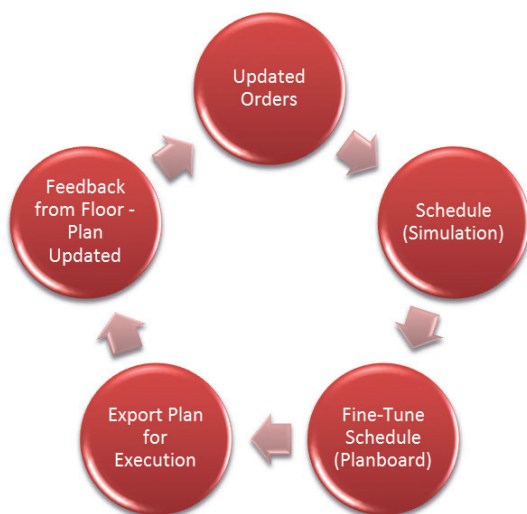
1. In the production, the operator scans the production order.
2. Automatic download of process data to the machine PLC (Sedomat).
3. The production starts, the Sedomat monitors and controls execution.
4. SedoExpert, SedoMaster and planning module are updated with execution data.

### Integration possibilities to existing ERP systems

SedoExpert can be linked to existing ERP systems in order to avoid redundant work and large-scale re-organization of an operation.



Production optimization with MES closes the gap between ERP and machines.



Integration of Planning Module to Production Process

Head office:  
**Sedo Treepoint GmbH, Germany**  
 Neuwies 1, D-35794 Mengerskirchen  
 Phone: + 49 6476 31-0  
[sedo@sedo-treepoint.com](mailto:sedo@sedo-treepoint.com)

Sedo Treepoint, Switzerland  
[switzerland@sedo-treepoint.com](mailto:switzerland@sedo-treepoint.com)

Sedo Treepoint, Belgium  
[belgium@sedo-treepoint.com](mailto:belgium@sedo-treepoint.com)

Sedo Treepoint, China  
[china@sedo-treepoint.com](mailto:china@sedo-treepoint.com)

Sedo Treepoint, India  
[india@sedo-treepoint.com](mailto:india@sedo-treepoint.com)

Sedo Treepoint, Singapore  
[singapore@sedo-treepoint.com](mailto:singapore@sedo-treepoint.com)

Sedo Treepoint, USA  
[usa@sedo-treepoint.com](mailto:usa@sedo-treepoint.com)

Technical specifications are subject to change without prior notice.

