ATOMOS HYLA

company of sedApta group smart manufacturing made easy

CASE STUDY DISCRETE

P.E. LABELLERS

Over the years, **P.E. Labellers** has successfully positioned itself among the market leaders in the design and production of modular and ergonomic labeling machines, thanks to its ability to adapt labeling solutions to the evolving production needs of companies and the increasingly higher quality standards set by the market.

In 2024, P.E. Labellers will celebrate 50 years of success, establishing itself as a global benchmark in Labelling Innovation solutions

The key point? Flexibility

PREMISES

In the perspective of streamlining production, P.E. Labellers has started a transformation phase which, through a path of growth and subsequent internal reorganization, will lead to the expansion of the digitization of key business processes.

The production type of the finished product is typically 'Assembly to Order' and has been optimized through the assembly of pre-assembled parts that can be produced in stock and later customized on customer specifications.

P.E. Labellers aims to enhance business management by integrating existing software systems with the sedApta tool for production advancement and scheduling of production activities.

Currently, SAP is used as the group's ERP, with the PS - Project System module for managing production orders, integrated with PLM for product data and bill of materials management.

SOLUTION

Thanks to specific experience in supply chain management processes for numerous manufacturing entities, Atomos Hyla, a company of the sedApta Group, supports P.E. Labellers in its digital transformation journey, primarily through the implementation of the Shop Floor Monitor and Factory Scheduling modules, in line with the following needs:

- Advancement of production orders for assembly and pre-assembly
- Real-time monitoring of orders progress
- Check and release of proposed production orders from the scheduler sent to the ERP for return of confirmed order
- Definition of finite capacity plan using material constraint and teams
- Export of the scheduled plan to ERP to date finite capacity production orders
- Export to payroll system of hours declared by operators on individual orders and tasks.

The interface with the management system, given the cardinality of data, especially BOMs, has been optimized to reduce the exchange of information to only documents created or modified during daily activities.

The solution allows to manage production proposals generated by the ERP, along with confirmed orders, enabling medium-term to short-term scheduling. This facilitates the transformation of proposals into production orders by integrating with SAP workflows.

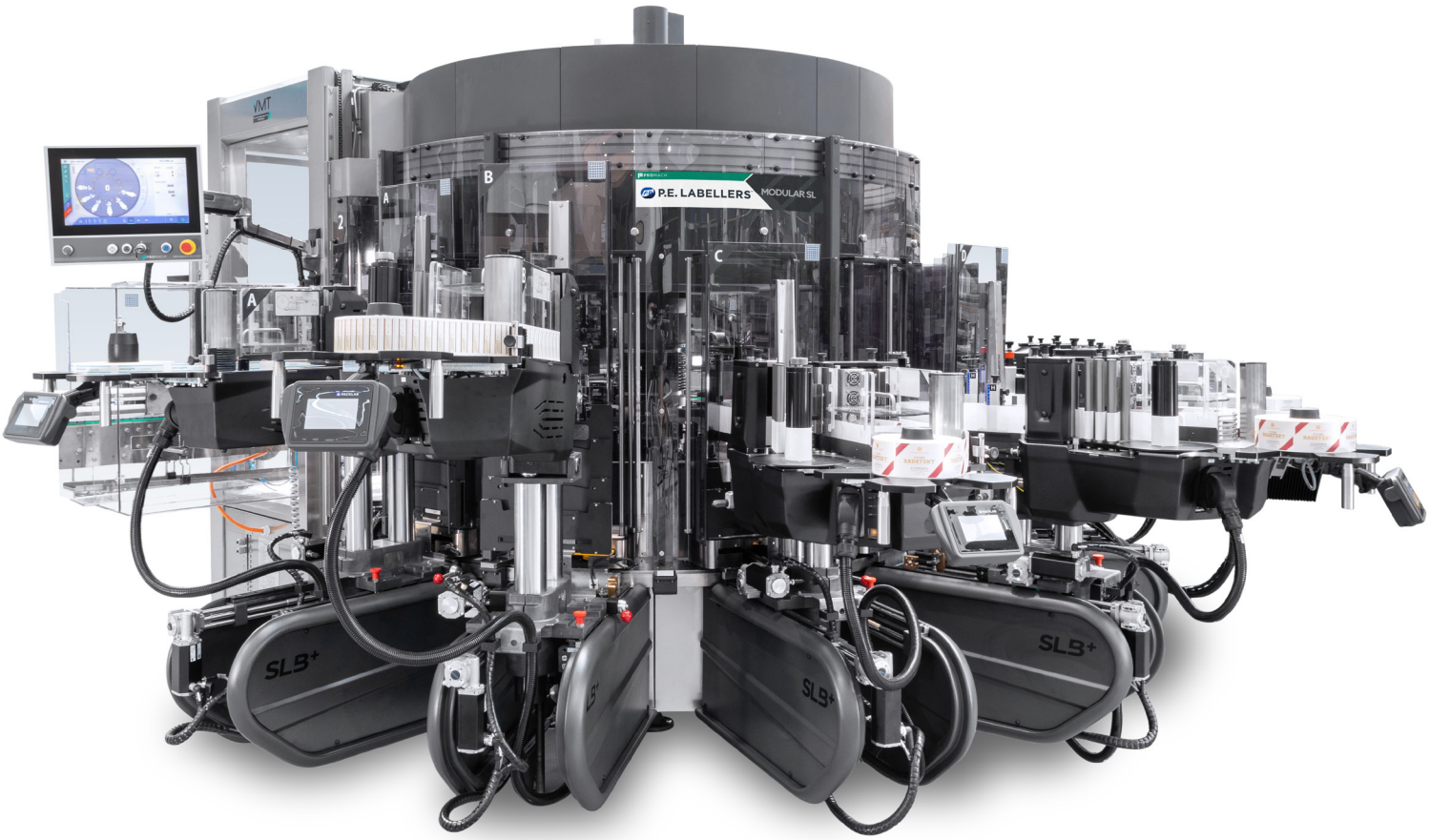
COMPANY
P.E. LABELLERS

SECTOR
DISCRETE MANUFACTURING

SIZE
550 EMPLOYEES
8 PLANTS

TURNOVER
€ 109 MLN

SEDAPTA MODULES
FACTORY SCHEDULING
SHOP FLOOR MONITOR



The use of the “resource plan” analysis report for managing the production capacity of the teams is constantly used to manage the proper sizing of labor based on the production tasks required by the current order load. In detail, work teams have been created for each operation whose production capacity can be modulated according to the factory load and schedule.

As for the materials, the control of shortages has been enabled in ‘soft’ mode, allowing the identification of any delays in the supply of external materials or insufficient stock in the warehouse.

From the perspective of production progress, due to the possibility to process multiple orders on the same workstations by an operator, the procedure of suspending and resuming operations has been optimized for scheduled department breaks.

BENEFITS

From the early stages of implementation, the solution highlighted the need to update and streamline the production technical cycles on the management system, as well as the bills of materials.
The main benefits of the implemented solution are as follows:

- Effectively communicate to the department the warehouse withdrawals needed for the preparation of pre-assemblies, by dynamically managing variations in order lists. In particular, order planning has streamlined and rationalized material picking activities from the pre-assembled and raw materials warehouse, reducing movements.
- Improve the allocation of resources on the workstations, while also ensuring the flexibility needed to cover peaks in activity thanks to scheduling processes.
- Optimize, in terms of resource utilization, the team management related to the phases of production cycles and consequently the skills required for specific processes.

P.E. LABELLERS™