

Videoton improves production efficiency by using on-PLAN

Videoton Corporation – the biggest privately owned industrial group in Hungary – has continuously evolved and reached record income for the past four years.



The manufacturing portfolio of the company contains electronic manufacturing activity, plastic injection molding, individual engineering design and implementation as well. It is no wonder that the 75 years old company is still one of the leaders with its 4th position in the European EMS service companies, and has the 27th position worldwide.

Although the main market of the company is still automotive industries, the most dynamic improvement in parallel is provided by industrial applications, where market segment and clientele is expanding continuously. The key features of Videoton's activity are outstanding quality and high flexibility besides continuous technological improvement and customer-centric approach. In order to maintain excellent quality and production efficiency Videoton's management decided to implement a visual production scheduling software.

"By using on-PLAN we are able to respond to the fast changes of market demands"

*Zoltán Pozsega, Head of Logistics,
Videoton Elektro-PLAST Ltd.*

As a result of the implementation they are not only able to trace but also can improve production processes from purchasing through production preparation to human resources planning. Videoton has been using QAD to manage and trace business processes for more than 15 years. Cooperation with the existing ERP processes was of paramount importance at the software selection phase.

Overview

Videoton Elektro-PLAST Ltd.:
Subsidiary of Videoton Holding,
the biggest privately owned
industrial group in Hungary in the
area of electronic manufacturing
activity, plastic injection molding,
individual engineering design and
implementation.

Profession: Plastic industry
Country: Hungary

Challenge:

- Rapidly changing market demands
- Advanced environment of manufacturing technology
- Optimizing production steps according to different tools

Solution:

Implementation of on-PLAN as a scheduling software to improve the service level of injection molding plant in order to reach better customer relations.

Benefits:

- Flexible and cost-effective solution
- Fast way of making an optimized plan
- Immediate feedback about the problematic areas by using intuitive visual indicators

Injection molding plant of Videoton Elektro-PLAST Ltd. produces household appliance parts by more than 100 machines. Manufacturing technology contains a 5 level production structure of 11.000 products. The average number of tasks to be scheduled is around 1000.

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The goal of production scheduling is to prepare a plan that considers recent resources available, number of human resources and different manufacturing tools as well.

Besides all of these a perfect plan also has to minimize changeover times caused by tool change in order to improve efficiency, and reduce raw material and semi-final stocks while preserving production safety.

This business needed a scheduling solution that prepares an optimized plan from the huge number of production tasks, but also lets manual interventions to be done. Planner personnel have to verify material and manpower available from time to time. It was also a challenge to find a software that can be implemented fast and easily, and can be impacted in the existing process.

This way, Videoton decided to go for on-PLAN. Implementation was done in 6 months according to the promise.

Approved work orders that are generated by MRP are downloaded directly from QAD for scheduling. To prepare a feasible plan staff manpower, machine resources, materials and tools available must be verified.

This was almost impossible before implementing on-PLAN. The method used by the company was only available manually because of the lack of the proper scheduling software. Preparation and sharing of a plan was done by using Excel-sheets.

More effective planning

"We are able to make our plans in a direct and flexible way now." – said Zoltán Pozsega, Head of Logistics at Videoton Elektro-PLAST Ltd.

"According to this, we see through the whole material-flow process. This provides us the information to achieve a truly effective customer-oriented production control."

The finished plan is loaded back into QAD. Production tasks are started relying to the distributed plan. Material preparation in stores is performed based on the minute-detailed picking lists. "Our company is engaged to follow LEAN philosophy. Based on the plan we prepare by using the algorithms of on-PLAN, Just-In-Time principles have become reality." Result of planning is used not only in the area of manufacturing, but this became the base of shipping scheduling as well. Based on our success we have reached in production planning efficiency, we are planning the implementation of on-PLAN for other businesses as well.

Concrete results

"Flexibility and accuracy ground long term relationships in this sector." – says Zoltán Pozsega. "We highly focus on the performance of these areas accordingly. on-PLAN contributes this process fairly well. As it provides fast and reliable planning, our work can be more accurate and effective not only inside the company but supporting our partners as well. This way we are able to take the proper interventions as soon as we realize we were not able to reach the desired level on one side."

