

# **GANTTPLAN APS – the intelligent planning tool**

Plan with GANTTPLAN – deliver on time, collaborate, optimize costs

COST SAVINGS 30%
INCREASED

50%
TIME
SAVINGS

100%
ON-TIME
DELIVERIES

## **GANTTPLAN** editions

## from entry-level to a high-end solution

The GANTTPLAN product family gives every manufacturing company the ability to select the right feature set for introducing automatic production planning and optimization. Whether as a cost-effective entry-level solution or as a high-end version for complex production structures – the modular design offers maximum scalability. GANTTPLAN technology spearheads new trends in the APS market, and is constantly updated to meet evolving customer- and industry-specific requirements. This is the basis for a tailor-made solution for the efficient, transparent and secure implementation of various planning processes.



Cost-effective entry to advanced planning and scheduling of production lines and plants.



Advanced version for production companies with more complex manufacturing structures or an additional need for personnel and/or tool planning.

## Features | Editions\*

	Starter	Expert
Automatic and manual planning and scheduling	✓	✓
Constraint-based planning and scheduling	✓	✓
No user limitations	✓	✓
Standard and customized reports	✓	✓
Attention to existing material relationships	✓	✓
Checking material stock (initial stock)	✓	✓
Machine and work center assignment	✓	✓
Personnel planning and scheduling with qualifications	✓	✓
Production resources and tools (PRT)	✓	✓
Time-based planning and scheduling	✓	✓
Planning and scheduling optimisation based on 7 target criteria		✓
Material Requirements Planning (MRP)		✓
Generation and planning and scheduling of order networks		✓
Generation of orders and purchase order proposals		✓
Energy cost planning		✓
Artificial Intelligence (AI)		✓

# What our customers say about GANTTPLAN





"We have significantly improved our ability to react to unexpected changes. Previously we could only manage one re-plan a day, but now we can reschedule between five and ten times when needed."

#### Jürgen Class

#### Head of Production Control, EPflex Feinwerktechnik GmbH





Success story





"Before GANTTPLAN we were producing 75 different products on six production lines. Now we are producing 350 products on seven production lines, and our planning effort has effectively halved."

#### **Detlef Schubert**

#### General Manager, Frauenthal Airtank Elterlein GmbH

At nine production plants across seven European countries, Frauenthal Airtank is developing and producing compressed air tanks, leaf springs and other chassis sub-components for all leading commercial vehicle manufacturers.



Success story





"During the introduction of GANTTPLAN a new colleague joined the team. With only a little planning experience and the help from GANTTPLAN, they were able to quickly master the planning tasks almost from the beginning."

### Günter Fuchsberger

### Production Manager, Starlim Spritzguss GmbH

From small batches to several hundred million pieces per year, and with about 800 employees, starlim//sterner is considered the market leader for technical molded silicone parts.



Success story

## Reference customers include

- EPflex Feinwerktechnik GmbH
- Feingerätebau K. Fischer GmbH
- Galfa GmbH & Co. KG
- HakaGerodur AG
- Irlbacher Blickpunkt Glas GmbH
- Johannes Lübbering GmbH
- Klaeger-Präzision GmbH & Co. KG
- Kurt Zecher GmbH

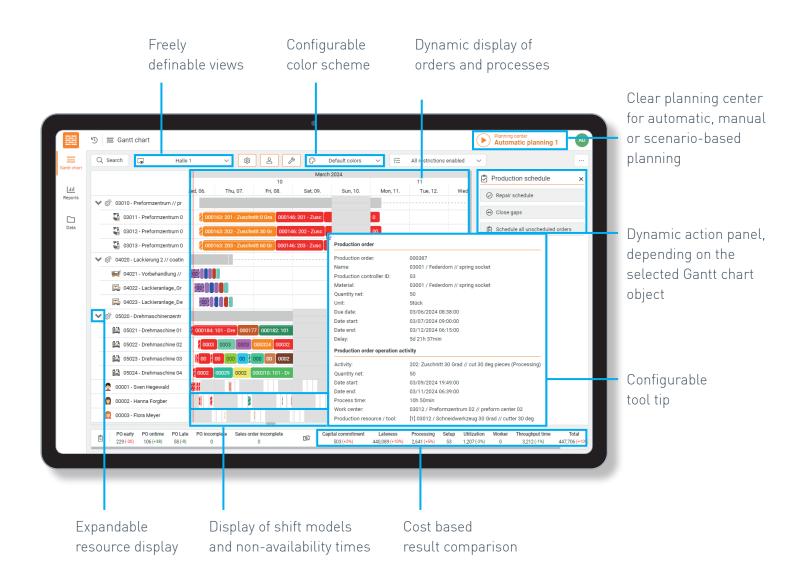
- Lessmann GmbH
- OC Oerlikon Corporation AG
- Pipelife International GmbH
- Sächsische Sandsteinwerke GmbH
- Solarlux GmbH
- Starlim Spritzguss GmbH

etc.

# The intelligent planning tool for Industry 4.0

GANTTPLAN brings predictability to the digital factory. The Advanced Planning and Scheduling (APS) system enables manufacturing companies in a variety of industries,

to achieve a smooth order flow with shorter lead times and ongoing cost optimization. It can operate as standalone software or interfaced with different ERP and MES solutions.



## **Additional features**



Intuitive operation



Available in several languages



Cloudready



Simulation of planning scenarios



Easy to integrate



Interactive views



Touchoptimized



Customized evaluation reports

# Simultaneous multi-resource planning



### Personnel planning

Qualifications at machine and operation level

Team planning based on varied qualifications

Multiple resource assignment



## Material requirements planning

Material availability check

Flexible order network planning at every level of production

Flexible material reservation

Batch size optimization



### Resource Planning

Parallel assignment Campaign planning Sequence definition



## Tooling and fixture planning

Maintenance planning
Die-tool degradation
Set-up optimization

Tool combinations

# **Set-up optimization**

## GANTTPLAN calculates and optimizes

## Set-up times in three dimensions

**Static set-up time** is the time to change-over to a new order, and includes equipment washdown, preparation and routine maintenance. Depending on the previous order, the planning system will select the next task in order to reduce set-up times.

The dynamic set-up time refers to material properties, such as type of material, color, and geometry (thickness, diameter) and is dynamic depending on the preceding and subsequent order. The dynamic times are mapped in a setup matrix.

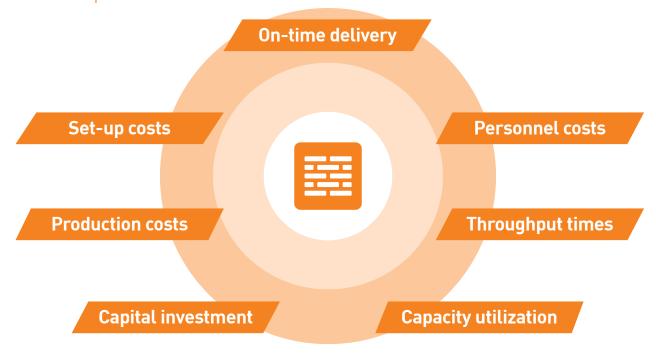
**Production resources and tooling (PRT) set-up times** are stored directly in the production resource itself. GANTTPLAN compares the production resources/tools of the previous order with the production resources/tools of the follow-up order and, based on this, calculates the actual required set-up time.

$\triangle$	Blue	Yellow	Purple	Black	White
Blue		25 m	10 m	10 m	35 m
Yellow	20 m		15 m	20 m	10 m
Purple	10 m	40 m		10 m	40 m
Black	10 m	50 m	16 m		50 m
White	52 m	15 m	30 m	50 m	



## **GANTTPLAN APS**

is the only planning solution with seven adjustable target criteria for cost optimization:



## The better the service, the higher the benefit

DUALIS has more than 30 years experience in scheduling and optimization, and has successfully implemented several hundred projects.

We offer:



Time tested and proprietary optimization algorithms



Individual advice and APS customization to fit your requirements



Qualified project management



Large partner network in the areas of ERP and MES

## **DUALIS GmbH IT Solution**

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