



BETTER PRODUCTION STARTS WITH BETTER PLANNING

GANTTPLAN APS – the intelligent planning tool

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

25%
COST
SAVINGS

30%
INCREASED
EFFICIENCY

50%
TIME
SAVINGS

100%
ON-TIME
DELIVERIES

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

EPflex is one of the world's most prominent OEM manufacturers of metallic components for minimally invasive medicine. The human health condition is the main focus.



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.


The screenshot displays the GANTTPLAN interface with several key features highlighted by callouts:


- Freely definable views:** Points to the search and filter options at the top of the Gantt chart.
- Configurable color scheme:** Points to the 'Default colors' dropdown menu.
- Dynamic display of orders and processes:** Points to the Gantt bars representing production activities.
- Clear planning center for automatic, manual or scenario-based planning:** Points to the 'Automatic planning 1' button in the top right.
- Dynamic action panel, depending on the selected Gantt chart object:** Points to the 'Production schedule' panel on the right, which includes options like 'Repair schedule', 'Close gaps', and 'Schedule all unscheduled orders'.
- Configurable tool tip:** Points to the detailed 'Production order' information window that appears over a Gantt bar.
- Expandable resource display:** Points to the list of resources (e.g., 'Drehmaschine 01') on the left side.
- Display of shift models and non-availability times:** Points to the colored bars within the Gantt chart representing different shifts and resource availability.
- Cost based result comparison:** Points to the summary table at the bottom of the interface.


Capital commitment	Lateness	Processing	Setup	Utilization	Worker	Throughput time	Total
503 (+2%)	440,089 (+10%)	2,641 (+5%)	53	1,207 (-2%)	0	3,212 (-1%)	447,706 (+10%)

Additional features


 Intuitive operation


 Available in several languages


 Cloud-ready

 Simulation of planning scenarios

 Easy to integrate

 Interactive views

 Touch-optimized

 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 wash-down, 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.

△	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 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.

GANTTPLAN® Starter

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

GANTTPLAN® Expert

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

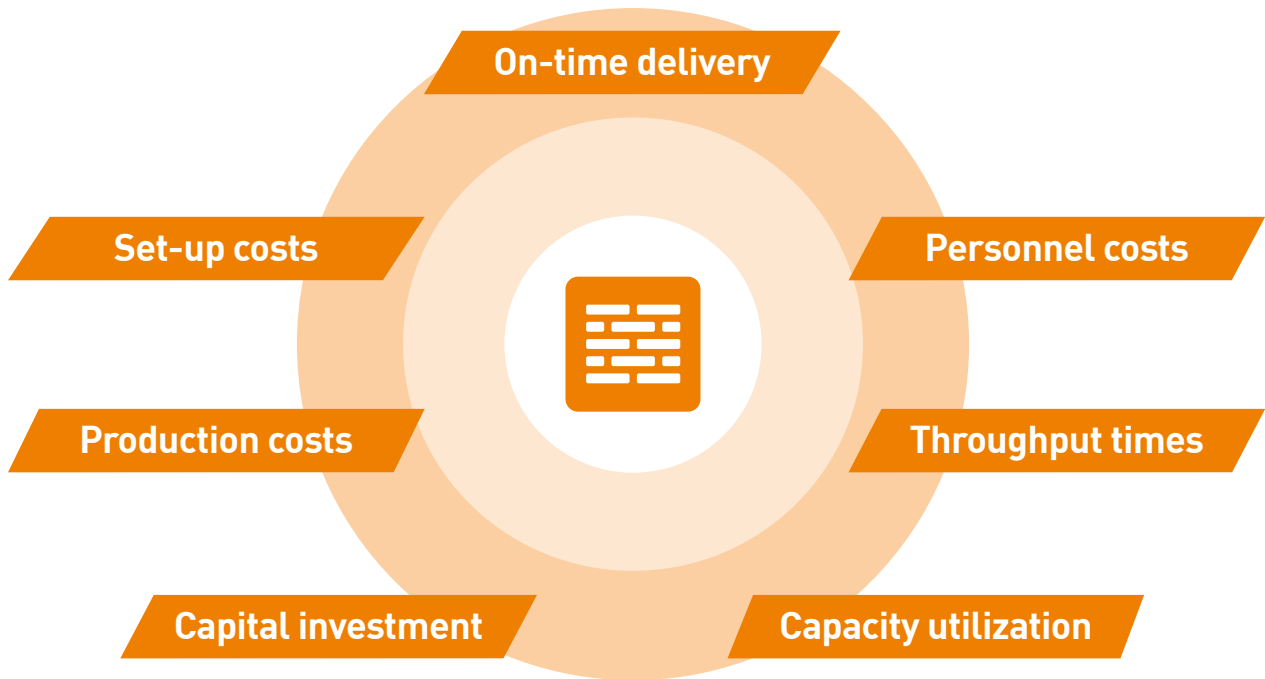
Features | Editions*

	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)		✓

* Both expansion stages can be used regardless of the production complexity.

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



Qualified project management



Individual advice and APS customization to fit your requirements



Large partner network in the areas of ERP and MES

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