



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
THROUGHPUT

50%
TIME
SAVINGS

100%
ON-TIME
DELIVERIES

GANTTPLAN | What our customers say



“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

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



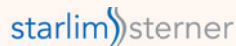
“Before GANTTPLAN we were producing 75 different products on 6 production lines. Now we are producing 350 products on 7 production lines, and our planning effort has effectively halved.”

Detlef Schubert, General Manager, Frauenthal Automotive

At nine production plants across seven European countries, Frauenthal Automotive 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//sterner

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

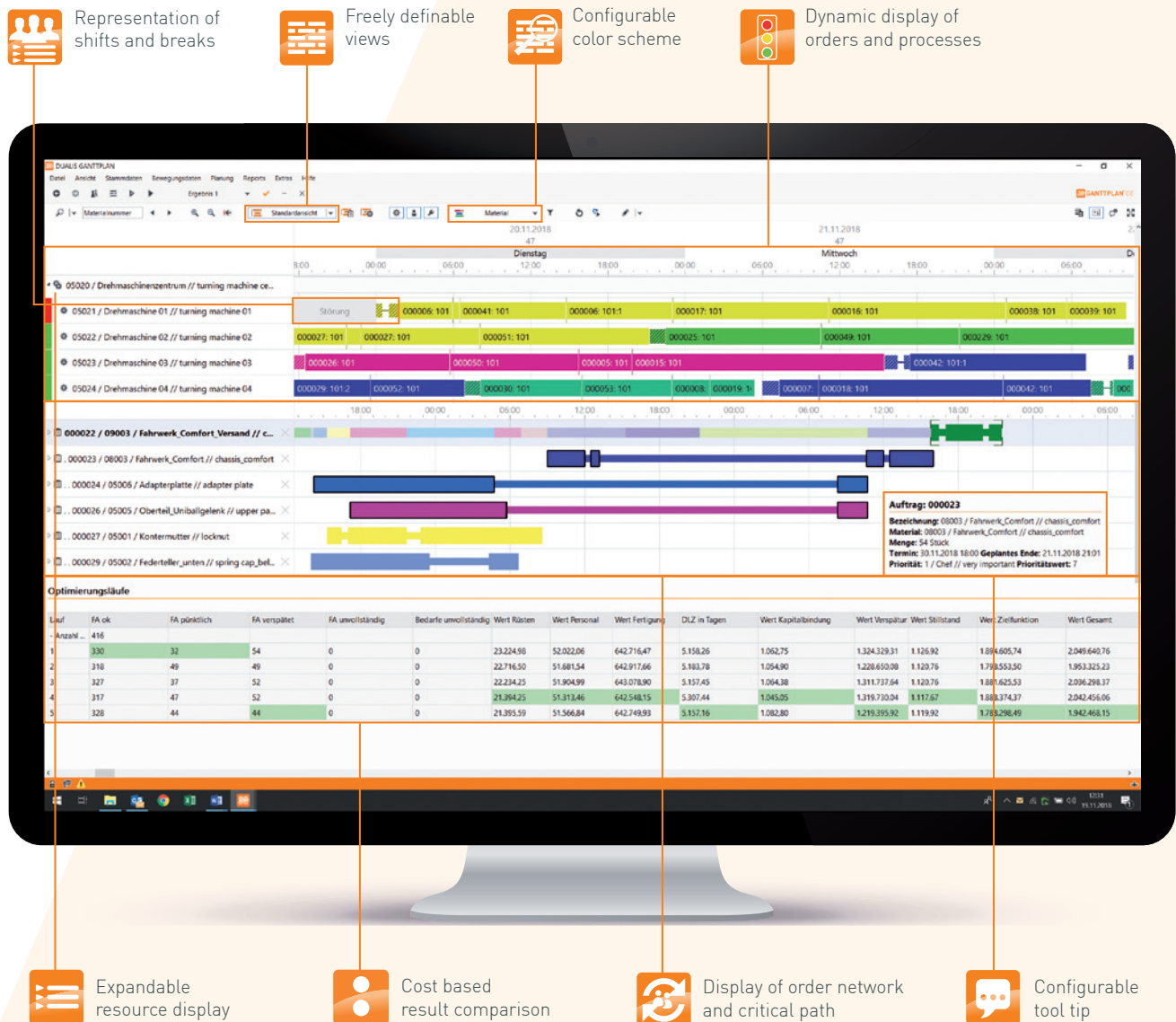
Reference customers include

- Fischer – meteorological instruments
- Freiberg GmbH – vehicle maintenance garages
- Galfa – zinc plating experts
- Irlbacher – specialty glass products
- Johannes Lübbering – high precision tools
- Kläger Präzisions – high precision part manufacture
- Kraftverkehr Nagel – transport logistics
- Kurt Zechner – roller for printing industry
- Lessmann – producer of surface finishing tools
- Sächsische Sandsteinwerke – sandstone quarry/products
- SM Sächsisches Metallwerk – nonferrous metal foundry
- Solarlux – Wintergardens and glazing solutions

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
- Cloud-ready
- Simulation of planning scenarios
- Easy to integrate
- Interactive views
- Touch-optimized
- Customized evaluation reports

Simultaneous multi-resource planning



Resource Planning

- Parallel assignment
- Campaign planning
- Sequence definition



Tooling and fixture planning

- Maintenance planning
- Die-tool degradation
- Set-up optimization
- Tool combinations



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

Set-up optimization

GANTTPLAN calculates and optimizes set-up times from three perspectives:

Static set-up time is the time to change-over to a new job, and includes equipment wash-down, preparation and routine maintenance. Depending on the previous job, the planning system will select the next task in order to reduce the number of change-overs.

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 changeover time.

△	Blue	Yel.	Pur.	Bla.	Whi.	
Blue		25m	10m	10m	35m	x
Yellow	20m		15m	20m	10m	x
Purple	10m	40m		10m	40m	x
Black	10m	50m	15m		50m	
White	25m	15m	30m	50m		



GANTTPLAN configurations: 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 | Expansion stages *

Starter

Expert

Automatic and manual order advanced planning	■	■
Integrated cost optimization	■	■
Observance of all defined production restrictions	■	■
No user limits	■	■
ERP Adapter	■	■
Standard and customized reports	■	■
Inventory confirmation	■	■
Machine and workstation assignment	■	■
Production resource tool planning		■
Personnel planning with qualifications		■
Generation of optimized order processes and missing orders to cover demand		■
Generation and planning of order networks		■
Inter-plant planning, Central planning, decentralized planning		■
Batch size optimization		■

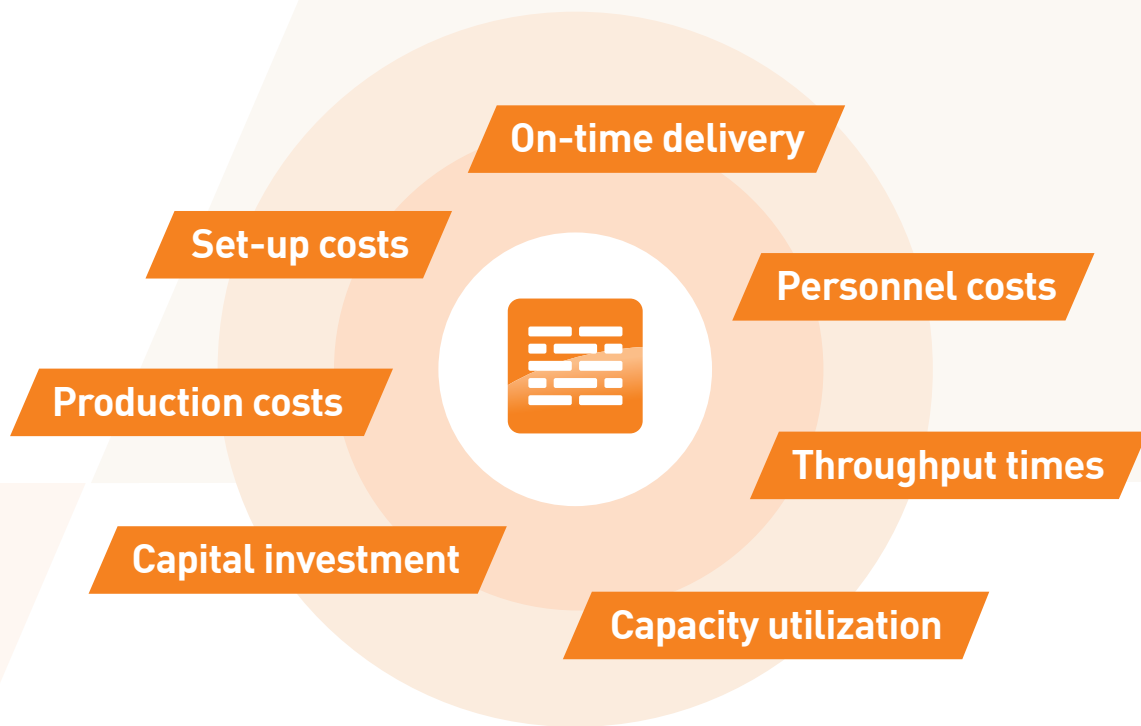
APS Basic Version

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

Beginner Version

All-in Version

GANTTPLAN APS is the only planning solution
with 7 adjustable target criteria for cost optimization:



DUALIS | The better the service, the higher the benefit

DUALIS has more than 25 years experience in scheduling and optimization,
and has successfully implemented several hundred projects.

We offer:



Time tested and proprietary
optimization algorithms



Individual APS customization
to fit your requirements



Development of individual
Industry 4.0 solutions



Qualified project
management



Large partner network in
the areas of ERP and MES



Flexible licensing through
customer specific SLAs

DUALIS GmbH IT Solution

Tiergartenstraße 32
01219 Dresden, Germany
Telephone +49 (0) 351-47791-0
www.dualis-it.de | ganttplan@dualis-it.de

DÜRR GROUP.

