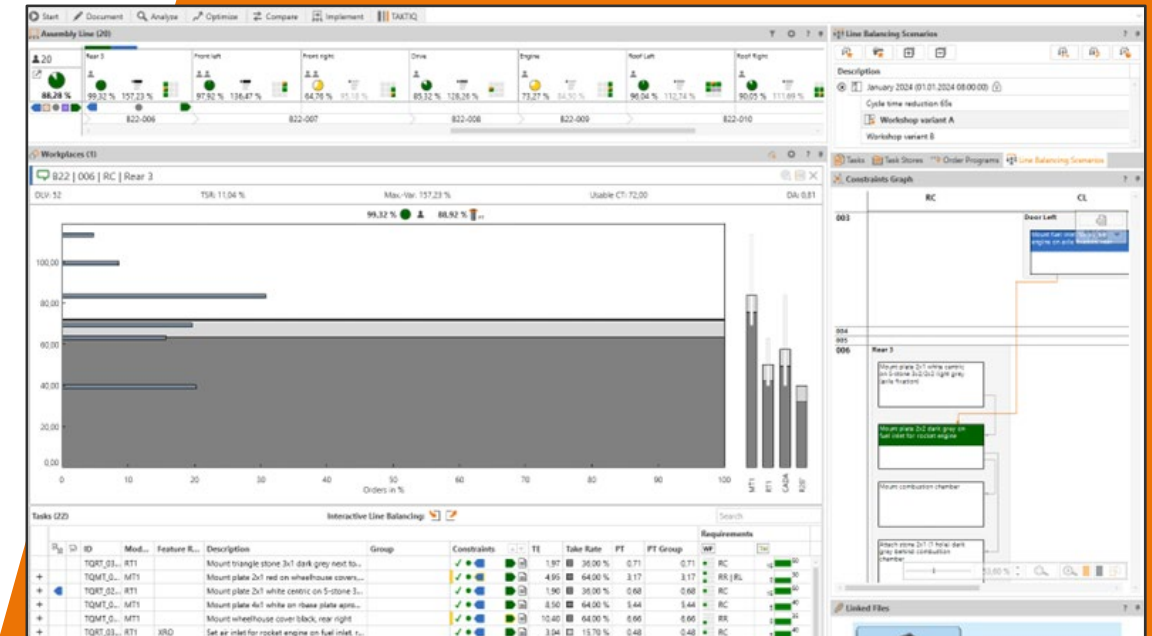




Market-Leading Line Balancing and Order Sequencing

For Smooth Production at Maximum Efficiency



StartDocumentAnalyseCompareOptimize

2024.02.01 9:113:00Set air meter for rocket engine on fuel meter...

Order Sequence (1000), Sequencing Rules (8)

DensityNeighborhoodBlocksCapacityExclusion

PositionOrderOrder SchedulingDensity RulesNeighborhood RulesBlock RulesCapacity RulesExclusion Rules

SequenceOrder NumberModelFeaturesOrder DateRocket Truck with...HybridV8 Gasoline/Diesel...HitchNo hybrid after hybridHydrogen automaticHybride-engine & h-engine

Plan (Final)

00

Facilitate Production Planning, Unlock Maximum Potential

Focus on variant-rich assembly lines:

- 20sek.-6std. cycle time
- 100-2.500.000 tasks
- 10-50.000 orders
- 2-10²⁷ order variants

| | | |
|---|--|---|
|  |  Mercedes-Benz |  |
|  |  |  |
|  |  |  |

+12%
Efficiency

-50%
Planning Effort

+100%
Planning Reliability

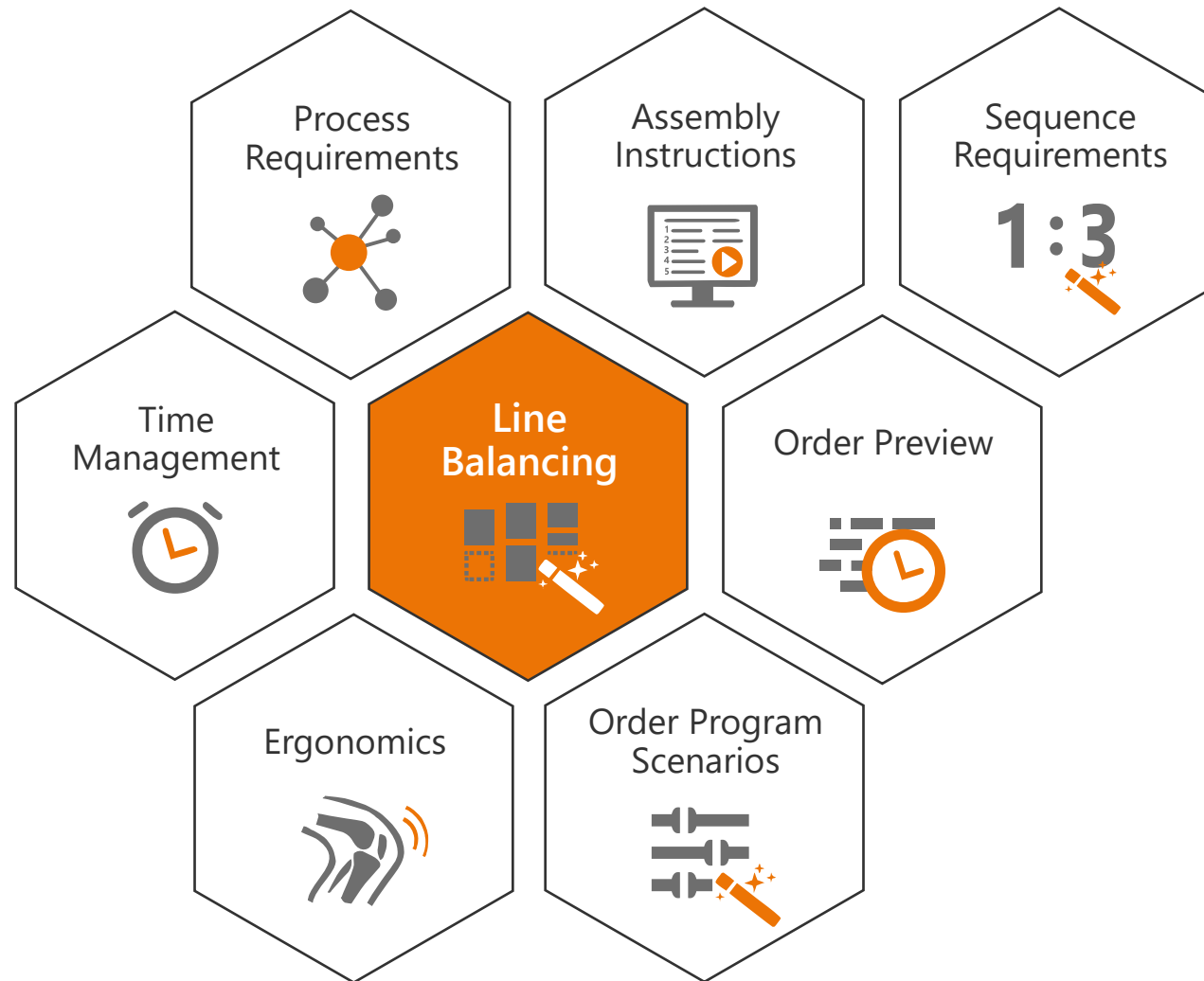


User-Centered Innovation

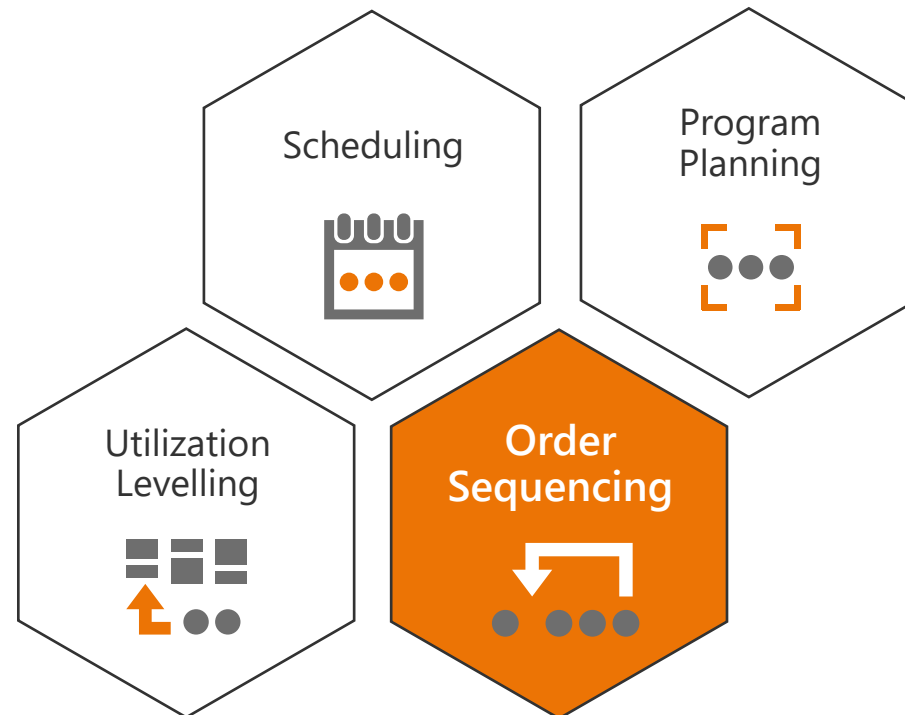
- **Love Agile Development**
Through continuous innovation, we are actively shaping the future of production planning.
- **Life Close Cooperation**
With fun, partnership and transparency, we make variant diversity manageable.
- **Deliver Focused Software**
Customized functions and updates enable leading manufacturers to achieve ever new levels of quality and efficiency.



TAKTIQ Line Balancing



TAKTIQ Order Sequencing





Download Free Demo [Here](#)

Independent test application of TAKTIQ with your own or sample data



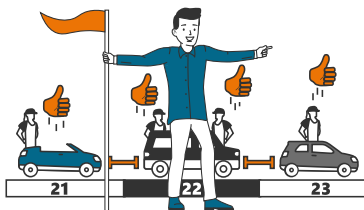
Request Free Live Demonstration [Here](#)

Presentation of TAKTIQ and discussion of your requirements, production features and usage scenarios



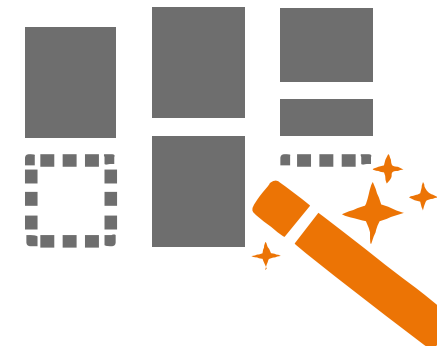
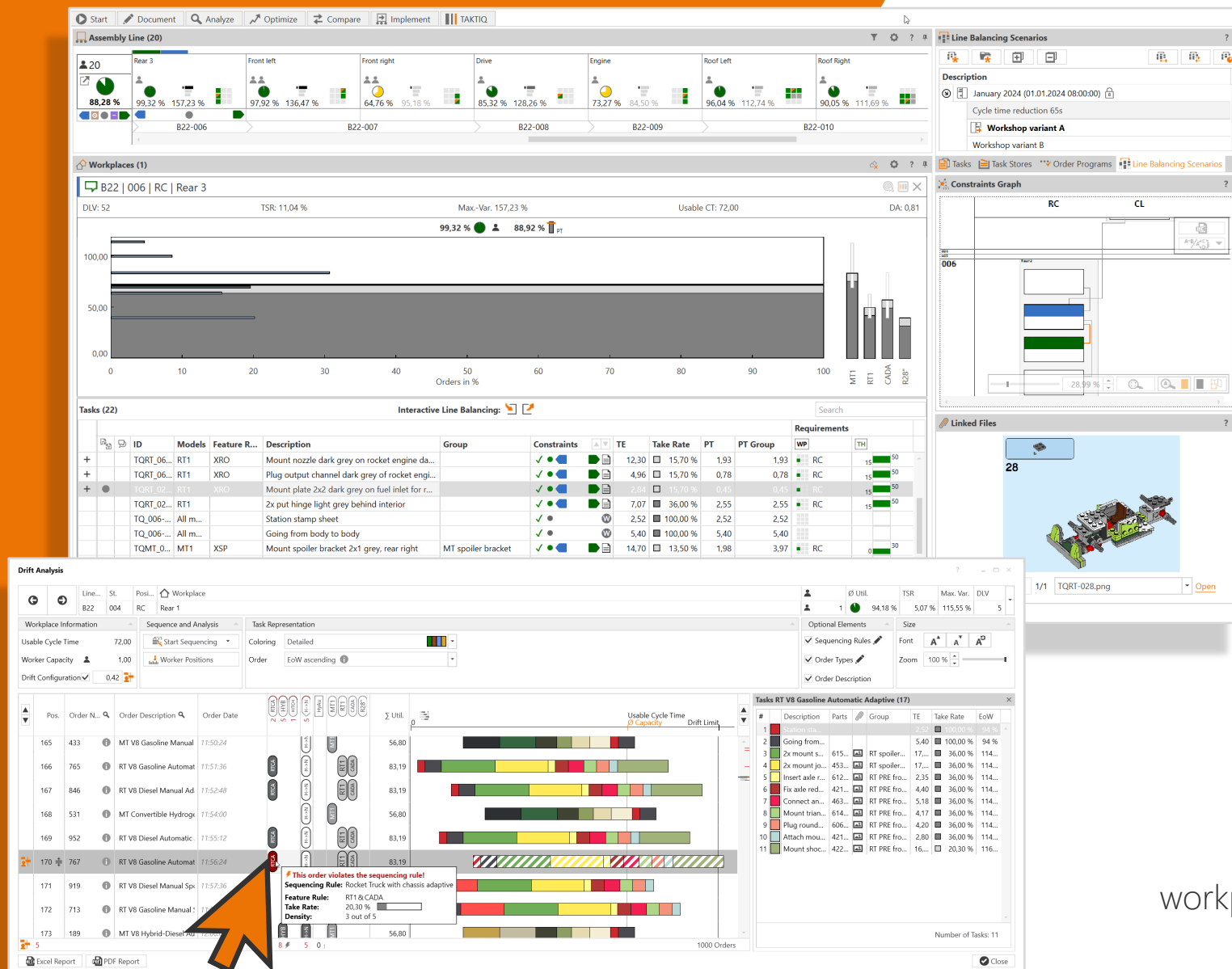
Risk-Free Pilot Project ([Learn More](#))

Using TAKTIQ in parallel to your current system, tailored key user training, guidance by personal consultant



Revolutionizing Rollout ([Learn More](#))

Full integration into your IT, tailored training, frequent exchange of experience



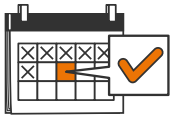
Line Balancing

Optimally distribute workers and tasks to workplaces for efficient and smooth production

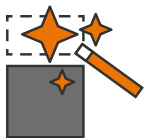
Your Result



Maximum Efficiency



Smooth Production



Reduced Planning Effort

Valuable Information in Seconds

- Interactive and automatic line balancing
- Calculate, simulate and evaluate alternative planning scenarios extremely quickly (> 1,000,000 solutions in 5 seconds)
- Compare different cycle times and line balancing solutions
- Consider multiple order programs (variants and mix) and evaluate utilization and added value
- Flexible variant linking with any feature rules (And, Or, Not, Bracketing)

Ensure Feasibility

- Evaluate variants and production times in detail
- Use extensive analysis functions and visualized key figures (time spread, drift, ...)

Convince Yourself Today

Try your free demo now or book your free live-demonstration at taktiq.de/experience

Benefits – Line Balancing

Learn Quickly, Plan Intuitively

- Clear and easy to understand visual representations
- Modern user-friendly interfaces
- Automatic workshop protocols and reports
- Smooth multi-user planning with time versioned plan states (when using a server)

One Tool for Everything

- Documentation, simulation and optimization in one
- Integrated planning with additional modules: Time Management, Ergonomics, Order Preview, Order Sequencing and more

Permanent Technical Pioneer

- You always remain highly innovative through our agile development process
- Regular updates with new features are inspired by impulses from our customers

Business Case with 25 Workers – Line Balancing

| Production per year: | Before | | With TAKTIQ |
|---|-------------|----------|-------------|
| Utilization | 77% | ▲ 15% | 92% |
| Cycle time | 21 min | ▼ 10% | 19 min |
| Necessary workers | 25 | ▼ 8% | 23 |
| Necessary line stops and support operations | 2.520 | ▼ 71% | 720 |
| × Ø Costs for line stops and support operations | | 300 € | |
| × Cost per worker | | 60.000 € | |
| Production costs per year | 2.256.000 € | | 1.596.000 € |

| Planning per year: | Before | | With TAKTIQ |
|---------------------------------|----------|--------|-------------|
| Performed line balancing | 12 | | 12 |
| Team effort per line balancing | 160 h | ▼ 50% | 80 h |
| Line balancing constraints | 0 h | ▲ 100% | 32 h |
| Training time for new planners | 210 h | ▼ 50% | 105 h |
| Effort for every line balancing | 2.130 h | ▼ 48% | 1.097 h |
| × Hourly rate planner | | 40 € | |
| Administration costs per year | 85.200 € | | 43.880 € |



Data based on empirical values of previous use cases.
Savings vary depending on size and characteristics of production.

Saved costs:
-701.320 €

▼ 30%



Benefits – Process Requirements

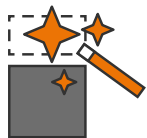
Your Result



Identify More Potential



Ensure Feasibility



Enable Interactive and Automatic Line Balancing

Optimize Production Even Further

- Identify optimization potentials more easily (reduce walking distances, avoid height changes, identify redundant tools)
- Speed up workshops and avoid overlooked requirements
- Use suggestion mechanisms and automatic line balancing
- Identify and resolve limiting constraints

Simple Maintenance, Great Benefits

- Easily maintain detailed requirements (height, working position, tools, ...)
- Manual and automatic task shifts meet all requirements
- Pre-evaluate investments in additional tools, shopping cart concepts and rebuilds

Convince Yourself Today

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Objective Feasibility Check

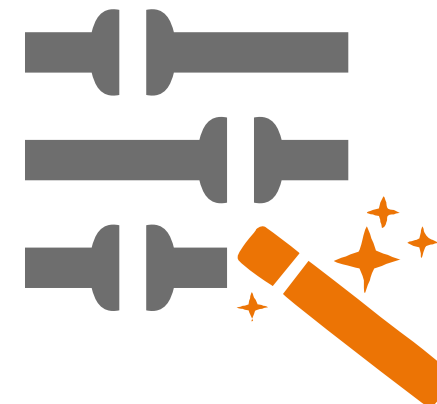
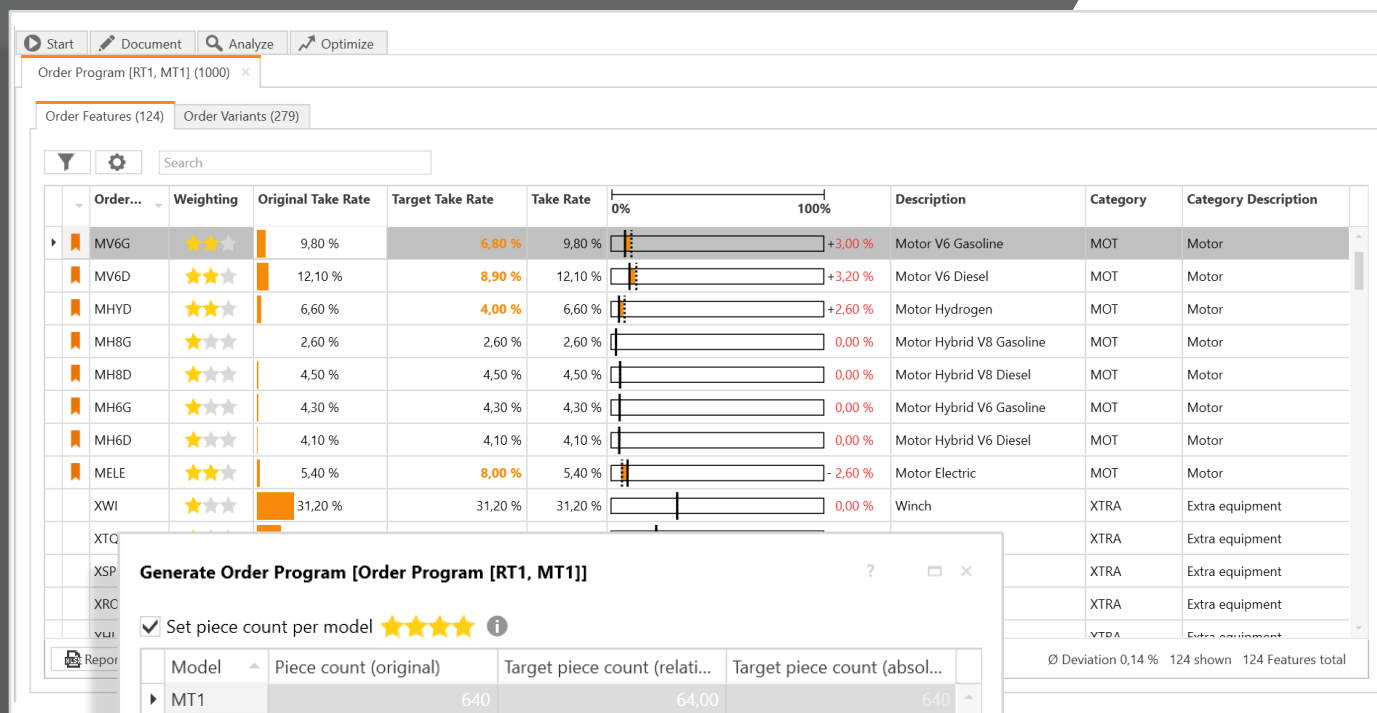
- Clearly define requirements and always comply
- Live feedback on compliance and violation of maintained constraints
- Avoid discussions

Everything in Sight

- Height profile in assembly line clearly visualized
- Directly detect conflicts in assembly areas
- Interactive constraints graph visualizes relationships between tasks
- Recognize and resolve large task groups and limiting constraints

Collect and Secure Knowledge Centrally

- Document production knowledge directly and pass it on easily
- Train new colleagues more quickly

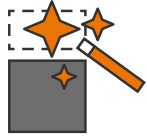


Order Program Scenarios

Analyze order programs in detail as well as generate and simulate them based on sales forecasts

Benefits – Order Program Scenarios

Your Result



Generate Order Programs Close to Reality



Increase the Quality of Analyses



Extreme Responsiveness

Interactive and Live

- Adjust feature frequencies without having to edit individual order variants
- Automatic check of buildability rules when manually changing variants
- Simultaneous adjustment of several take rates and total number of orders
- Split order programs easily according to rules

Many Options, Easy Navigation

- Create features and use them for optimization or analysis as desired
- Sort order features into categories and easily find them again

Convince Yourself Today

Try your free demo now or book your free live-demonstration at taktiq.de/experience

Plan Realistically

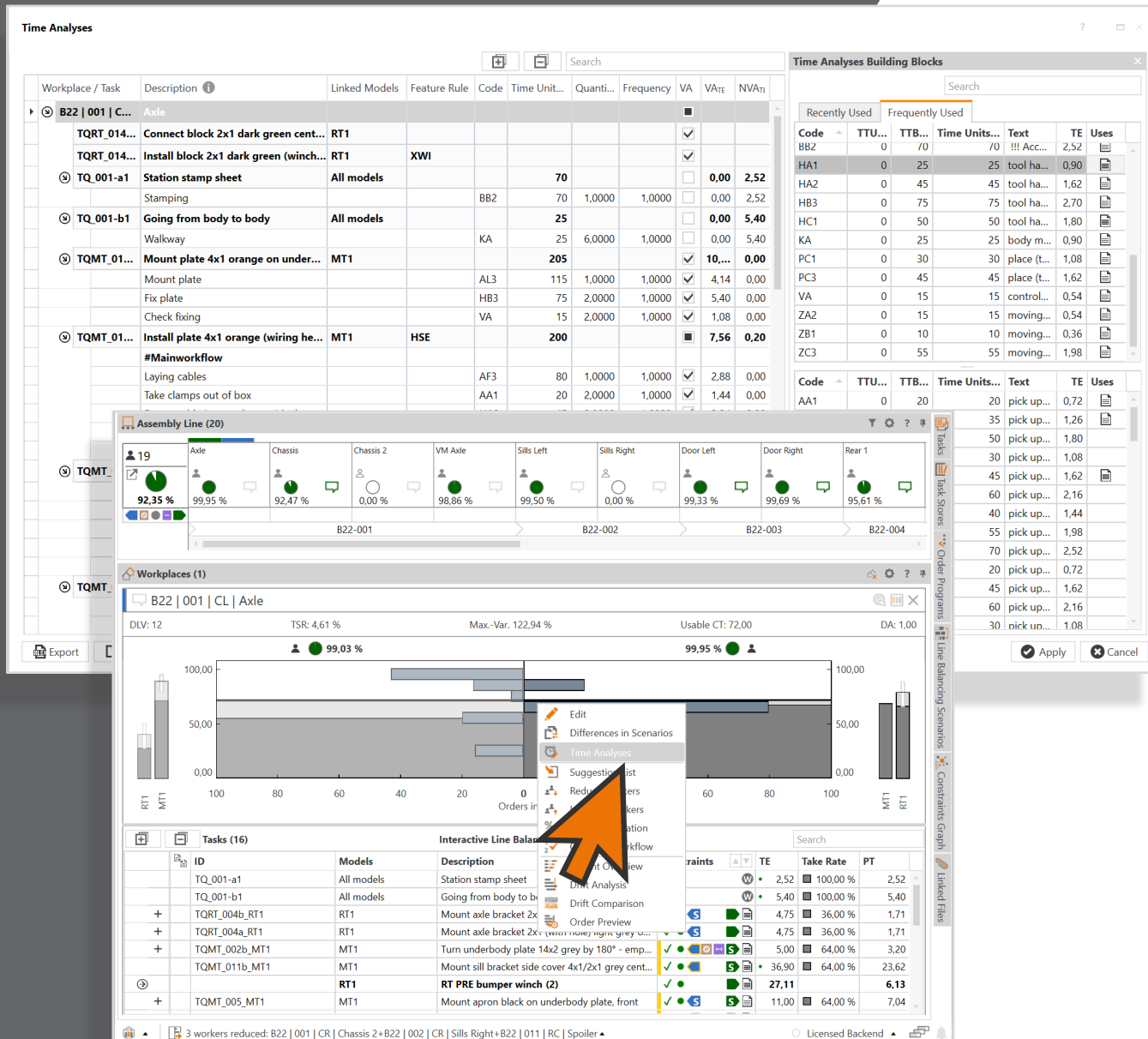
- Simulation based on different forecasts
- Detailed analysis of order variants incl. frequencies and correlation of features
- Buildability always guaranteed, as only existing order variants are used

Record-Breaking Processing Power

Mathematical optimization technology generates order program according to targets with minimum deviation

Perfect Addition

Evaluate the effect of alternative order programs in combination with the modules line balancing and optimal sequencing rules



Time Management

Define time requirements for tasks easily with time modules and recognize added value

Benefits – Time Management

Your Result



Time Management and Line Balancing in One



Time Modules Defined Centrally



Clear and Understandable

Uniform Time Measurement

- Define modules and analyses centrally and use them on tasks
- Centrally define performance level as well as surcharges and discounts
- Define and analyze value added and non value added

Faster to the Goal

- Combined use of estimation times and time analyses
- Fast identification of missing time analyses and active estimation times
- Transparent and comprehensible presentation

Convince Yourself Today

Try your free demo now or book your free live-demonstration at taktiq.de/experience

Work Simpler

- Easy maintenance both at the task and across a workplace or the entire line
- Fast reuse of blocks that were used last or frequently
- Drag & drop of blocks to new time analyses lines
- Format comments and headings within time analyses

Define Own Standards

Working with any (also individual) modular systems (e.g. UAS)

Live Adjustment

Live update of all time analyses in case of adjustments of time analyses building blocks

Digital Assembly Instructions

Line: B22 St: 001 Posi: PRE Workplace: VM Axle Autoplay

Options

Font Size: A⁺ A⁻ A⁰

Media Display Time (Sec.): 3

View Options

| Description | Is Visible | Highlighted |
|----------------------------|-------------------------------------|-------------------------------------|
| Description | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Group | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| TE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Take Rate | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Models | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Engines | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Feature Rule | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Variant Split Feature Rule | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Task comment | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Constraints comment | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Assembly Usage Description | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Reset Layout

Master Data

Description: Plug fixation black into block 2x1 (2 holes) light grey, front left

Group: RT PRE axle front left

TE: 11.50 (VA: 11.50, NVA: 0.00)

Take Rate: 36.00

Models: RT1

Linked Files

TAKTIQ Standard Operating Procedure

+ = safety Q = quality A = archive CC = critical features SC = significant features = positioning
 = visual = touch = touch with caution = marker = function = noise = measure = start/end

| No. | Task Description | Symbol | Part No. | Reference | Position | Picture Index (Photo) | Tool |
|-----|--|--------|----------|-----------|----------|-----------------------|------|
| 10 | Check the connection of the module connectors of the cable channel with the markers | Q | | | 0° | | |
| 20 | Check whether the column seal is correct with the markers | | | | | | |
| 30 | Check whether the fuse is connected to the ambient lighting | | | | | | |
| 40 | Change of position from position A to C | | | | | | |
| 50 | Check the presence and conformity of the assembly of the left dashboard clips Install the left fan Clad the panel Assemble the cover of the Combi-Instrument Assemble the ambient lighting on the driver's side Check the positioning of the light beam on the Combi-Instrument | Q | | | | | |
| 60 | Check the presence and conformity of the assembly of the right dashboard clips Install the right fan Clad the panel Assemble the cover of the Combi-Instrument Assemble the ambient lighting on the driver's side Check the positioning of the light beam on the Combi-Instrument | Q | | | | | |

Tasks

| # | Description | Parts | Group |
|----|--|-----------|------------------------|
| 1 | Yes Station stamp sheet | | |
| 2 | Yes Going from body to body | | |
| 3 | Yes Prepare spoiler base plate 6x2 black | 379526 | MT PR |
| 4 | Yes Mount cover plate 4x2 smooth white on spoiler base plate 6x2 black | 4560178 | MT PR |
| 5 | Yes Place sticker TAKTIQ | | MT PR |
| 6 | Yes Turn spoiler module upside down 180 degrees | | MT PR |
| 7 | Yes Mount spoiler hinge 2x1 black on spoiler module, left | 4515368 | MT PRE spoiler |
| 8 | Yes Mount spoiler hinge 2x1 black on spoiler module, right | 4515368 | MT PRE spoiler |
| 9 | Yes Turn spoiler module back by 180 degrees | | MT PRE spoiler |
| 10 | Yes Mount ventilation grille 2x1 bevelled black on spoiler module, right | 4541191 | MT PRE spoiler |
| 11 | Yes Mount ventilation grille 2x1 bevelled black on spoiler module, left | 4541191 | MT PRE spoiler |
| 12 | Yes Plug fixation black into block 2x1 (2 holes) light grey, front left | 412171... | RT PRE axle front left |
| 13 | Yes Plug axle suspension black onto fixation black, front left | 6280394 | RT PRE axle front left |
| 14 | Yes Insert axle into block 2x1 (2 holes) light grey, front left | 6083620 | RT PRE axle front left |

Number of Tasks: 23

Close



Assembly Instructions

Communicate planning results to production via Excel or PDF and train workers with digital assembly instructions in TAKTIQ

Benefits – Assembly Instructions

Your Result



Save Time in the Long Run



Secure and Pass On Knowledge



Generate Work Instructions Automatically

Easily Train Production

- Autoplay for qualification with images and videos
- Flexible customization of the interface and displayed attributes as needed (shown content, font sizes, image representations)

Customize to Own Needs

- Individual format template with e.g. company- and country-specific language, design, logos
- Completely individual specifications of attributes (torques, tools, icons for sensitive or dangerous activities, etc.) as well as information on the document (inspector, version, releaser, etc.)
- Placement of images on extra pages according to specifications

Convince Yourself Today

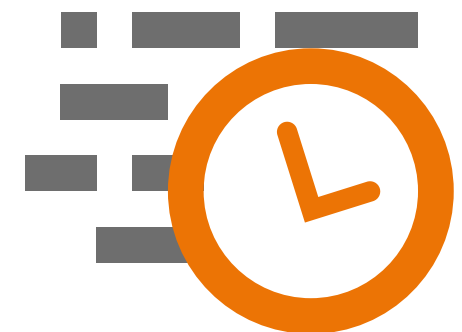
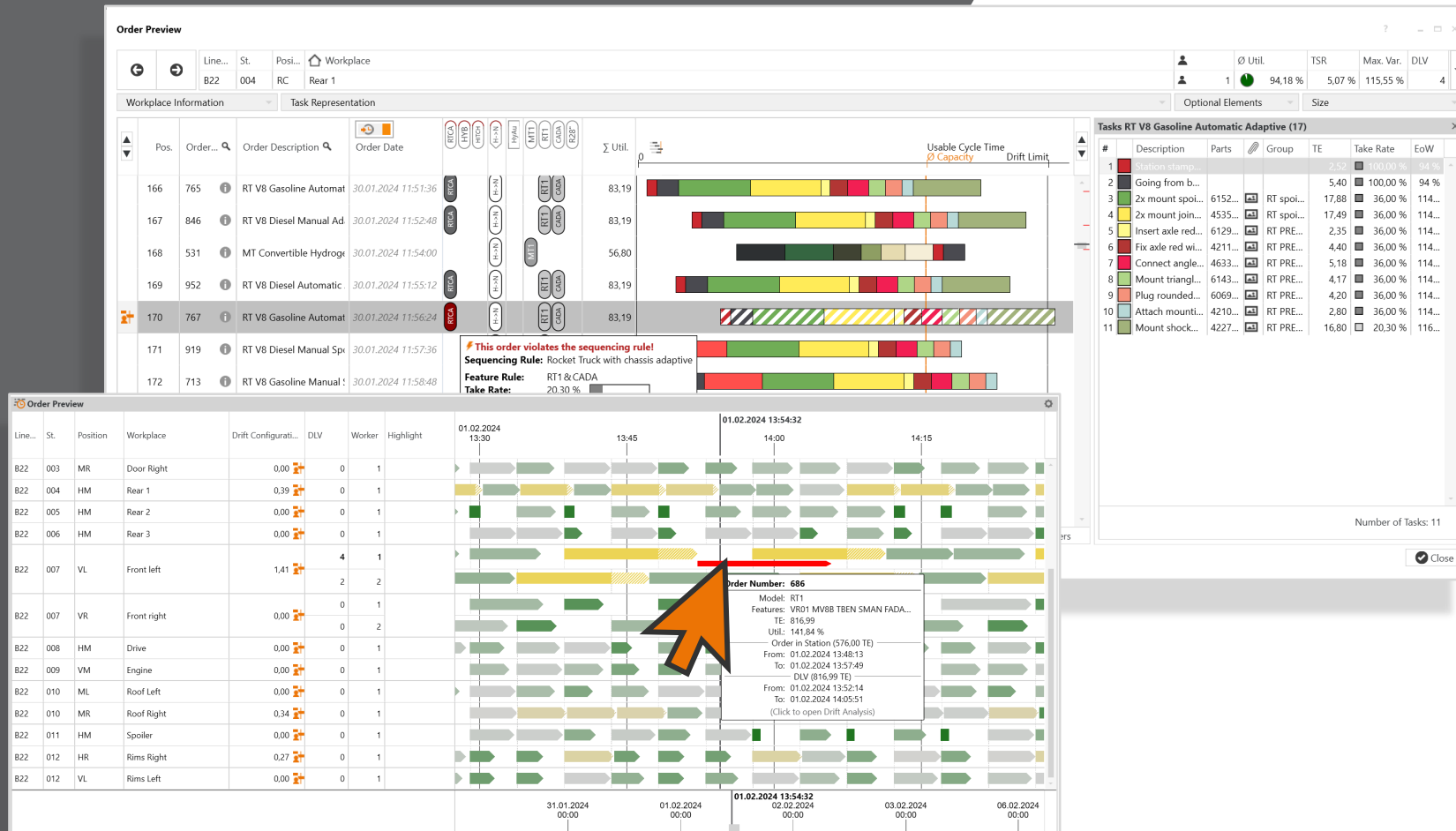
Try your free demo now or book your free live-demonstration at taktiq.de/experience

Generate Work Instructions Automatically

- Automatic adjustment of assembly instructions after moving tasks or adjusting avos and workplaces
- Constantly updated illustration of the sequence at the workplace by linking tasks with images
- Summary and highlighting of attributes and cells automatically in the document
- Export to Excel or PDF according to individual specifications

One Time Effort, Every Time Benefit

- Information on tasks automatically moves with them when they are moved
- Linked files are available during scheduling, training and export instructions

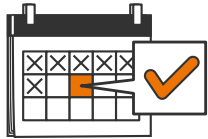


Order Preview

Secure quantities and ensure smooth production through early detection of bottlenecks and better control of short-term capacity measures

Benefits – Order Preview

Your Result



Avoid Bottlenecks



Make Detailed Predictions



Increase Product Quality

React Early

- Live calculation of expected order dates based on real dates
- Feedback from external system or manual specification
- Alert support personnel in a targeted and timely manner

Work and Navigate Intuitively

- Update view live based on current time
- Automatically enter at the beginning of the shift with the appropriate data
- Flexible zoom of the view
- Display detailed contents and drift behavior of an order on demand
- Overview through individually marked order types

Convince Yourself Today

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Accurately Predict the Timing and Content of Bottlenecks

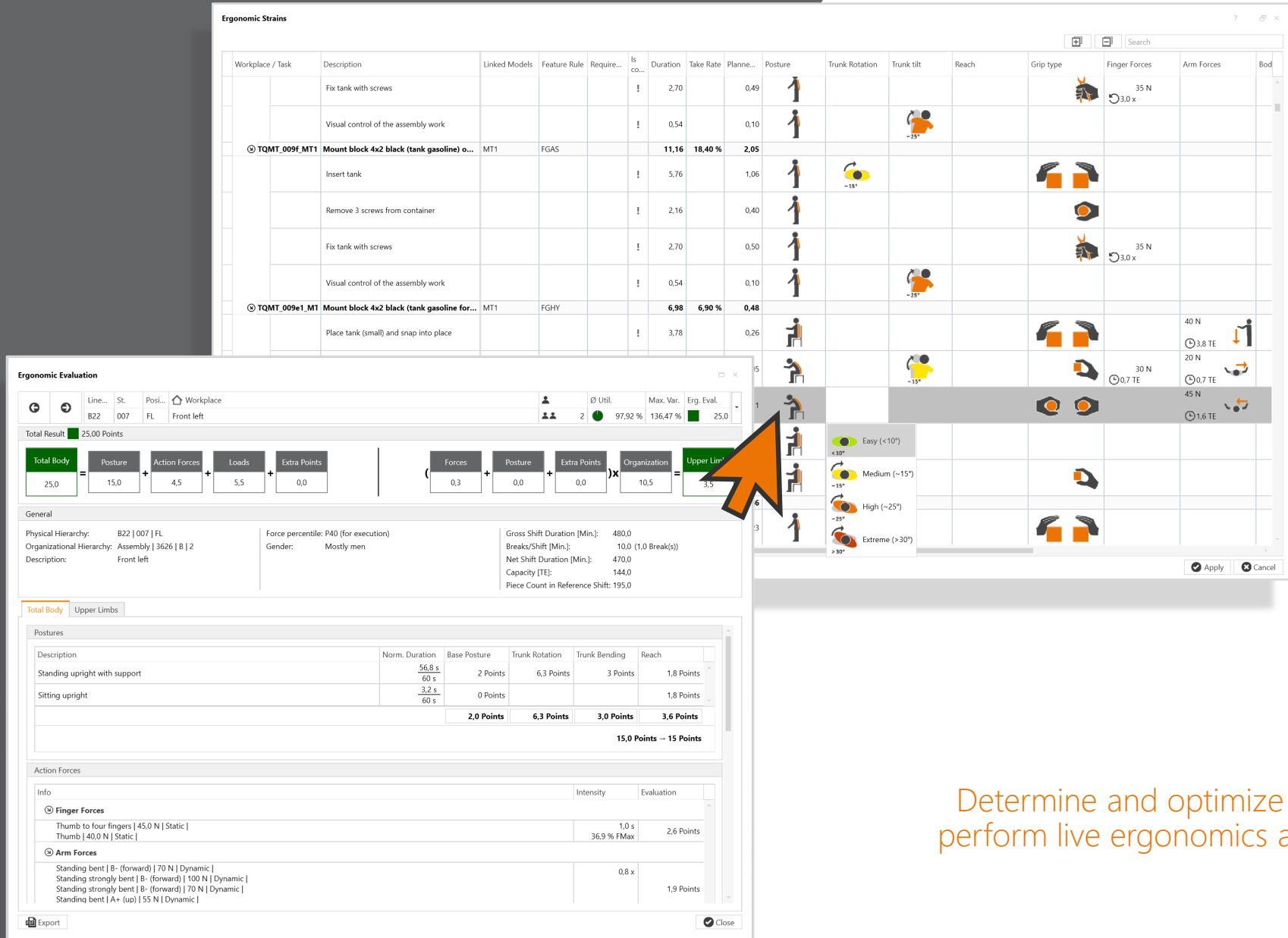
- Pre-calculate job deadlines at each station, taking into account plant structure, shift schedules, break times and disruptions
- Calculate expected drift limit violations based on individual drift configuration per workplace
- Display compliance with or violation of sequence rules

Integrate Data Easily

Integration into MES systems for the transfer of real dates

Beautiful To Look At

Visualization of the detailed drift behavior per workplace



Ergonomics

Determine and optimize ergonomic load per worker and perform live ergonomics assessment during line balancing

Benefits – Ergonomics

Your Result



Certified Ergonomics



Maximum Efficiency & Ergonomics



Rapid Revaluation

Established Standards

- Assessment of ergonomic loads of workers by EAWS® or individual assessment methods of our customers.
- First company to be officially certified as EAWS® compliant by the German MTM Society



Automatic Line Balancing

Automatic line balancing procedures take ergonomic limit values into account (point or traffic light system)

Convince Yourself Today

Try your free demo now or book your free live-demonstration at taktiq.de/experience

Realizable Workshop Results

- Integrated evaluation of ergonomics when developing new line balancing solutions.
- Better solutions and shorter planning time through direct live assessment of the ergonomic impact of each change (shift of tasks, order program, cycle time or shift schedule change)

Interactive Line Balancing

- Suggestions for shifting tasks with live calculation of resulting ergonomic effects.
- Achieve highest efficiency & ergonomic goals!

Faster (Re)Evaluation

- Documentation of ergonomic loads at the tasks level and simultaneous assessment of ergonomics at the workplace level
- Reuse of all determined ergonomic loads at tasks

Sequencing Rules

05.02.2024 19:23:15 - 08.02.2024 06:15:45 (90 Orders)

Density Neighborhood Block Capacity Exclusion

Search

Aa Text Mode

| <input type="checkbox"/> Active | No. | Short Descr. | Description | Feature Rule | Density | Take Rate | Tension | <input type="checkbox"/> Uniform Distribution | Uniform Distribution-Rate | Weighting | Violations | Comment |
|-------------------------------------|-----|--------------|------------------------------------|---------------------------|------------|-----------|---------|---|---------------------------|-----------|------------|---------|
| <input type="checkbox"/> | 1 | WSPO | Steering Wheel Sport | WSPO | 1 out of 2 | 25,56 % | 0,51 | <input checked="" type="checkbox"/> | 79,10 % | ★ ★ ★ ★ ★ | -Inactive- | |
| <input checked="" type="checkbox"/> | 2 | RTCA | Rocket Truck with chassis adaptive | RT1 & CADA | 3 out of 5 | 21,11 % | 0,35 | <input type="checkbox"/> | - | ★ ★ ★ ★ ★ | 0 | |
| <input checked="" type="checkbox"/> | 3 | HYB | Hybrid | EGHY FDHY | 1 out of 2 | 20,00 % | 0,40 | <input type="checkbox"/> | - | ★ ★ ★ ★ ★ | 0 | |
| <input checked="" type="checkbox"/> | 4 | V8 | V8 Gasoline/Diesel/Hybrid | MV8D MV8G MH8D MH8G | 3 out of 4 | 53,33 % | 0,71 | <input type="checkbox"/> | - | ★ ★ ★ ★ ★ | 0 | |
| <input checked="" type="checkbox"/> | 5 | HITCH | Hitch | XHI | 1 out of 2 | 10,00 % | 0,20 | <input checked="" type="checkbox"/> | 71,60 % | ★ ★ ★ ★ ★ | 0 | |

Number of Rules: 5, Violations: 0

Apply Cancel

Derive Sequencing Rules

Line... St. Posi... Workplace

B22 004 RC Rear 1

Ø Util. TSR Max. Var. DLV Drift... Capa... Usabl...

1 94,18 % 5,07 % 115,55 % 11 0,42 72,00 72,00

Derivation Options

Allow &-Connections Include Negation Multiple Rules Focus on fast results

| Density | Feature Rule | Controlled Orders | Unnecessarily contr. Orders | Tension | Ø DLV | WC-DLV |
|------------|----------------------------------|-------------------|-----------------------------|---------|-------|--------|
| - | Without Sequencing Rules | - | - | - | 30 | 107 |
| 2 out of 5 | R28S VR05 VR01 VR07 VR03 | 36,00 % | 0,00 % | 0,90 | 0 | 30 |
| 2 out of 3 | CADA R28S | 51,70 % | 0,00 % | 0,78 | 1 | 49 |
| | | 36,00 % | 0,00 % | 0,72 | 2 | 45 |
| | | 36,00 % | 0,00 % | 0,54 | 10 | 99 |
| | | 51,70 % | 0,00 % | 0,69 | 16 | 94 |
| | | 51,70 % | 0,00 % | 0,65 | 23 | 95 |
| 3 out of 4 | R28S VR05 VR01 VR07 VR03 | 36,00 % | 0,00 % | 0,48 | 23 | 107 |

↑

↓

→

Add more restrictive sequencing rule

Add less restrictive sequencing rule

Add manually defined sequencing rule: 4 out of 5

Generate Close



Sequence Requirements

Create sequencing rules analytically, verify and optimize effectiveness

Benefits – Sequence Requirements

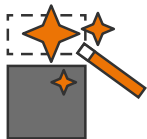
Your Result



Optimal Production Sequences



Smooth Order Scheduling Process



Increased Responsiveness

Valuable Information in Seconds

- Simulate 1000 order schedules in a few seconds
- Evaluate expected impact of rule sets on sequencing and on bottlenecks in production
- Obtain well-founded predictive ability for "what-if" scenarios

Interactive Rule Derivation

- Recognize control-relevant order features and feature combinations for program planning and sequencing
- Derive distance rules automatically
- Recognize control-relevant orders and automatically describe them with rules
- Recognize maximum take rate for critical features

Convince Yourself Today

Try your free demo now or book your free live-demonstration at taktiq.de/experience

Get an Overview and Use It

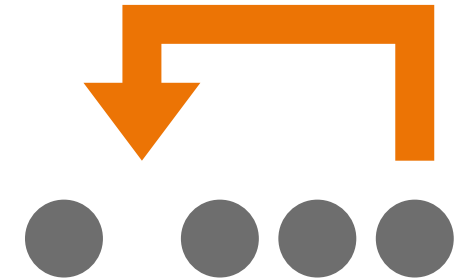
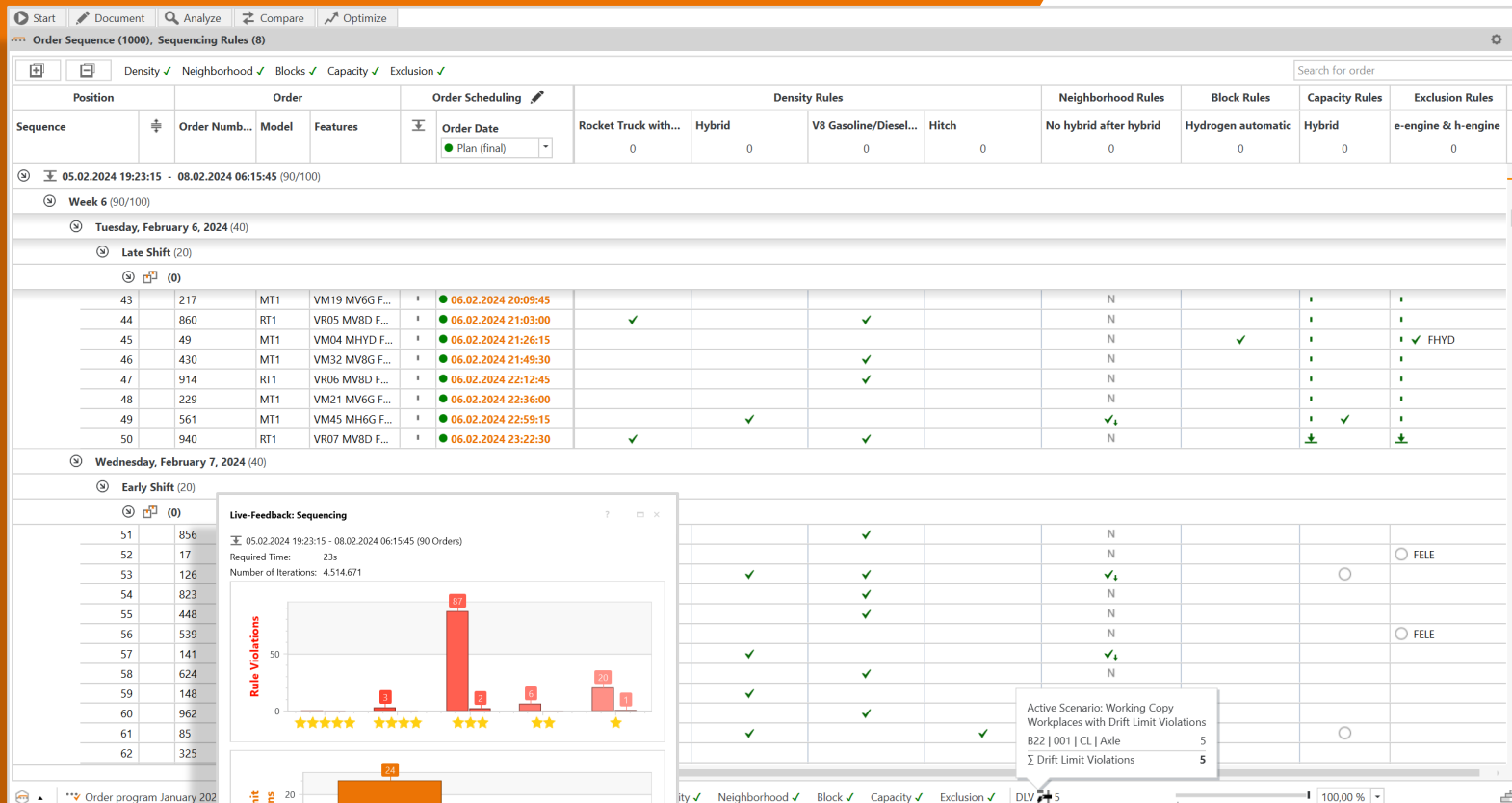
- Transparency about limit values of your own production
- Recognize and react to bottlenecks and potentials at an early stage

Reduce Rules, Increase Quality

- Avoid unnecessary rules with overlap and impact analyses
- Rule sets can always be sequenced

Making Versatile Use of Findings

Receive recommendations for adjustments to line balancing and sequencing parameters



Order Sequencing

Optimal production sequence of orders for efficient and smooth production

Benefits – Order Sequencing

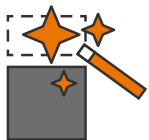
Your Result



Master Complexity



Smooth Production



Reduced Planning Effort

Optimal Order Sequence

- Reduce manual effort to a few minutes
- Sequence automatically in seconds
- Adhere to even complex order sequence requirements and ensure smooth production

Flexible Control Through Rule Types

- **Density** - Distribute demanding orders evenly to relieve stress on workers and enable stable production
- **Neighborhood** - Define sequences of different order types to enable stable production
- **Position** - Schedule special orders easily and precisely or place them in position windows
- **Block** - Bundle similar orders for scheduling to minimize setup times

Permanent Technical Pioneer

- You always remain highly innovative through our agile development process
- Regular updates with new features are inspired by impulses from our customers

Learn Quickly, Plan Intuitively

- Clear and easy to understand visual representations
- Modern user-friendly interfaces
- Quickly create significant reports
- Flexible interfaces to existing systems (order management, ERP, ...)

Individually Expandable

- **Production Leveling** - Consider the utilization on individual workplaces during sequencing and enable more stable production
- **Scheduling** - Control and meet deadlines using extensive rule types and a plant calendar
- **Order Planning** - Determine the feasibility and bottlenecks of the order program at an early stage and plan ahead efficiently
- **Multi-Line Planning** - Plan individual line structures easily

Convince Yourself Today

Try your free demo now or book your free live-demonstration at taktiq.de/experience

Business Case With 25 Workplaces – Order Sequencing

| Production per year: | Before | | With TAKTIQ |
|--|-----------|--------|-------------|
| Workplaces | 25 | | 25 |
| Production days | 220 | | 220 |
| Bottleneck situation per day | 50 | ▼ 76% | 12 |
| Ø Effort per day for rework, support and line stops | 48 h | ▼ 50% | 24 h |
| Ø Effort for rework, support and line stops | 10.560 h | ▼ 50 % | 5.280 h |
| | | | |
| × Hourly rate supporter | | 35 € | |
| Production costs per year | 369.600 € | | 184.800 € |

| Planning per year: | Before | | With TAKTIQ |
|------------------------------------|----------|--------------|-------------|
| Evaluated sequences per day | 1.000 | ▲ 9.999.900% | 100.000.000 |
| Sequencing rules considered | 10 | ▲ 900% | 100 |
| Effort per order sequence | 6 h | ▼ 92% | 0,5 h |
| Necessary final sequences | 220 | | 220 |
| Necessary hours for sequencing | 1.320 h | ▼ 92% | 110 h |
| | | | |
| × Hourly rate planner | | 40 € | |
| Management costs per year | 52.800 € | | 4.400 € |

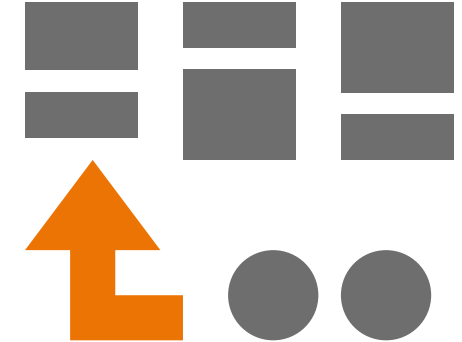
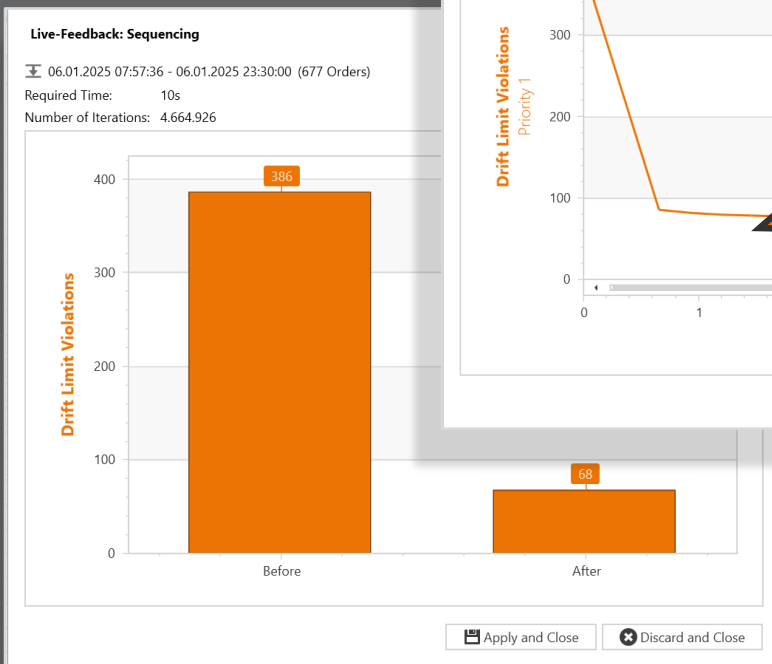
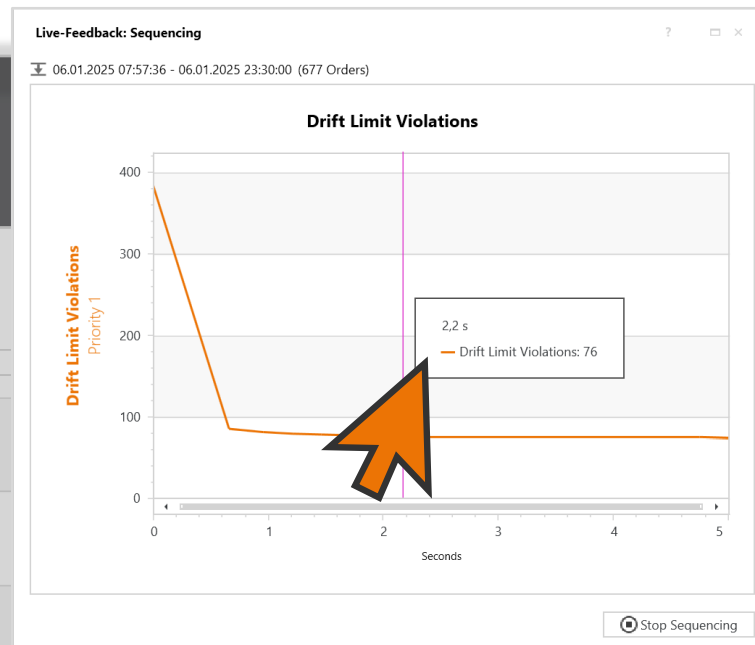
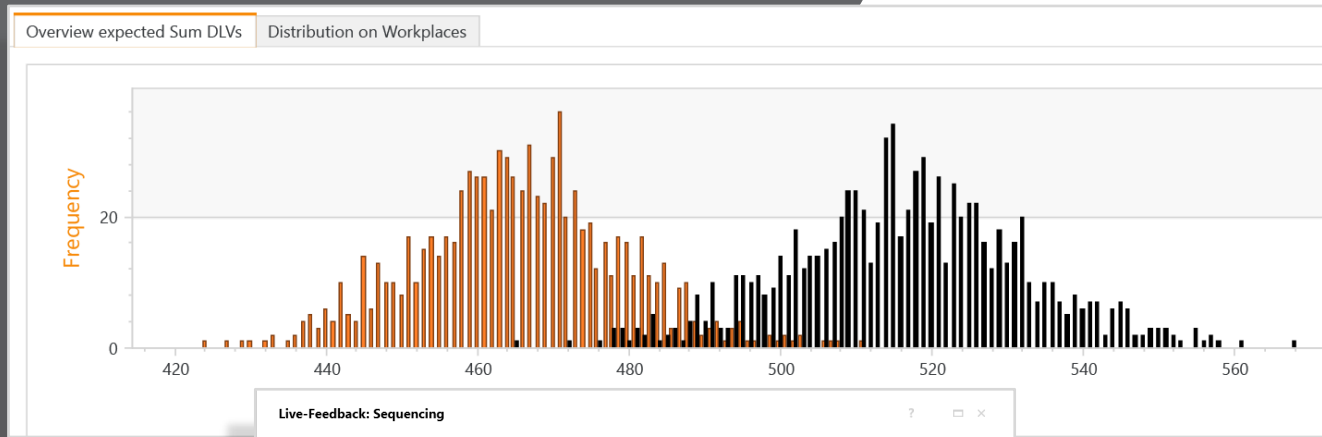


Data based on empirical values of previous use cases.
Savings vary depending on size and characteristics of production.

Saved costs:
-233.200 €

▼ **52%**





Utilization Levelling

Consider the utilization on individual workplaces during sequencing and enable more stable production

Benefits – Utilization Levelling

Your Result



Maximum Stability in the Assembly Line



Happy Employees



Reduced Drifting and Downtimes

Utilization-Based Sequencing

Stable Production Despite High Variety & Changing Production Times

- For more efficiency and stability, take existing line balancing into account when sequencing
- Plan drift and quickly detect violations
- Easily ensure uniform distribution of utilization for a large number of variants

Development Partner Required

Recognize and Control Future Production Fluctuations

- Carry out production leveling over long time horizons to uncover potential problems
- Obtain the summed production times at the shift, day, week or month level and take them into account for planning

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Sequencing Simulation

Identify Critical Workplaces

- Test and evaluate the effect of rule sets in advance
- Identify potential drift limit violations at an early stage for each workplace
- Simulate and compare several scenarios precisely

Impact Analysis

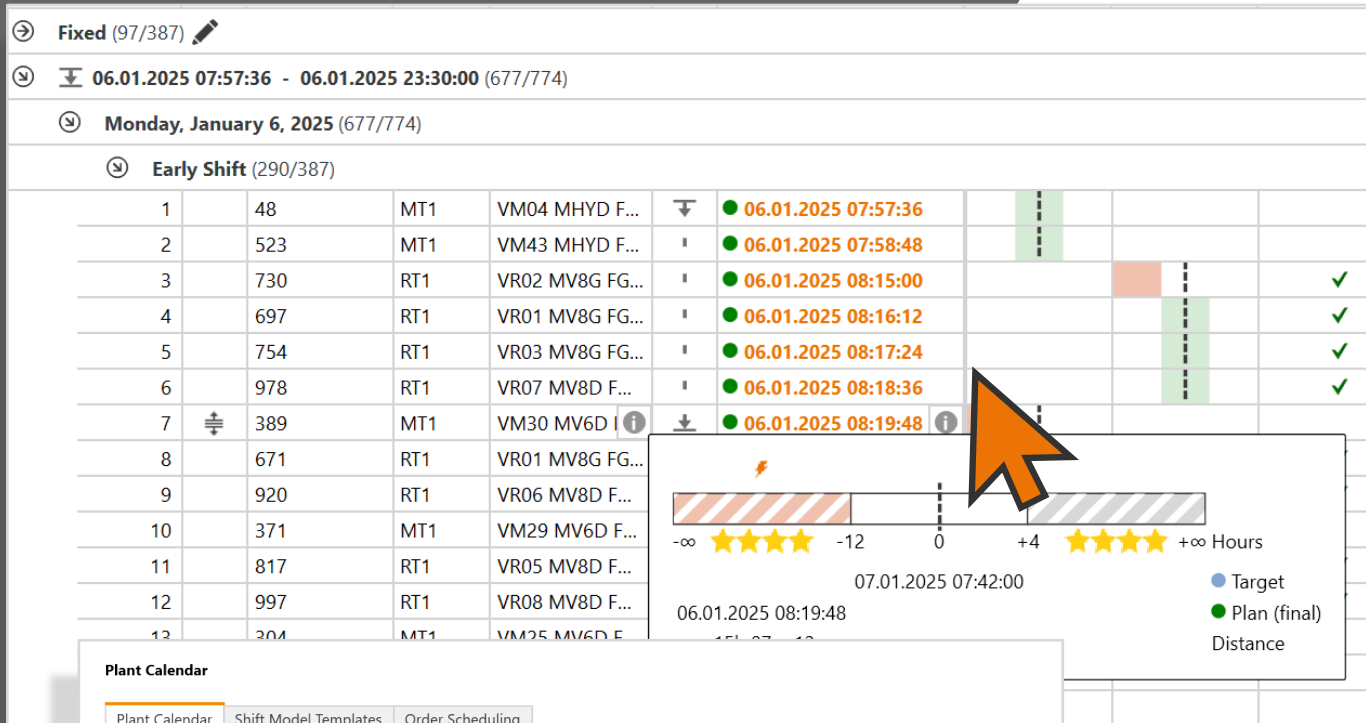
Determine the Effectiveness of Individual Rules

- Simulate the impact of the rules to identify and resolve ineffective rules
- Reduce rules and administrative effort

Sensitivity Analysis

Simulating the Effects of Increased Production

- View individual variants or features in detail and determine limit values for their production quantities
- Get an overview of all effects like overloaded workplaces, exceeded drift limits, time spread ratio and more

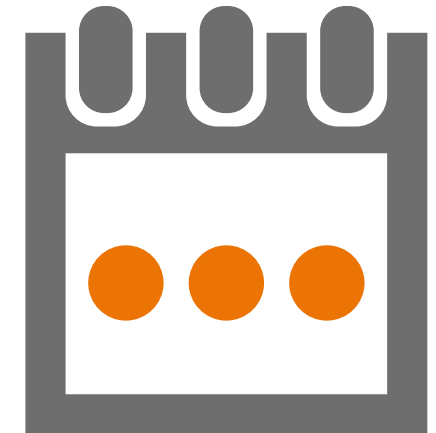


Plant Calendar

Plant Calendar Shift Model Templates Order Scheduling

☒ Show only working days ☒ Show only days from today

| Shift | From | To | Break(s) |
|---|-------|-------|--------------------------------|
| 07.10.2024 CW 41 Monday <input checked="" type="checkbox"/> Working day 2-Shift Model (Mo-Thu) | | | |
| Early Shift | 06:00 | 14:30 | 08:00 - 08:15 11:30 - 12:00 |
| Late Shift | 15:00 | 23:30 | 18:00 - 18:15 20:30 - 21:00 |
| 08.10.2024 CW 41 Tuesday <input checked="" type="checkbox"/> Working day 2-Shift Model (Mo-Thu) | | | |
| Early Shift | 06:00 | 14:30 | 08:00 - 08:15 11:30 - 12:00 |
| Late Shift | 15:00 | 23:30 | 18:00 - 18:15 20:30 - 21:00 |
| 09.10.2024 CW 41 Wednesday <input checked="" type="checkbox"/> Working day 2-Shift Model (Mo-Thu) | | | |
| Early Shift | 06:00 | 14:30 | 08:00 - 08:15 11:30 - 12:00 |
| Late Shift | 15:00 | 23:30 | 18:00 - 18:15 |

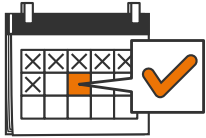


Scheduling

Control and meet deadlines using extensive rule types and a plant calendar

Benefits – Scheduling

Your Result



Meet Deadlines With Confidence



Get an Overview



Plan Ahead Without Surprises

Produce Transparently and on Time

- Easily view production dates and status to ensure deadlines are met
- Quickly see when which order is at which station
- Live update of deadlines through measuring points in production possible

More Stable Production Thanks to Additional Rule Types

- **Capacity** – Control maximum production of variants per day or week
- **Exclusion** – Never produce certain variants in the same shift
- **Order Date** – Meet deadlines for each order or control maximum deadline variance

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Depict the Plant Calendar Realistically

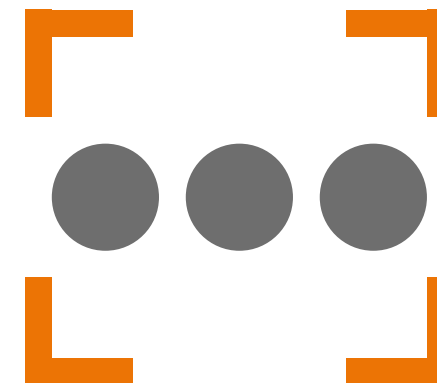
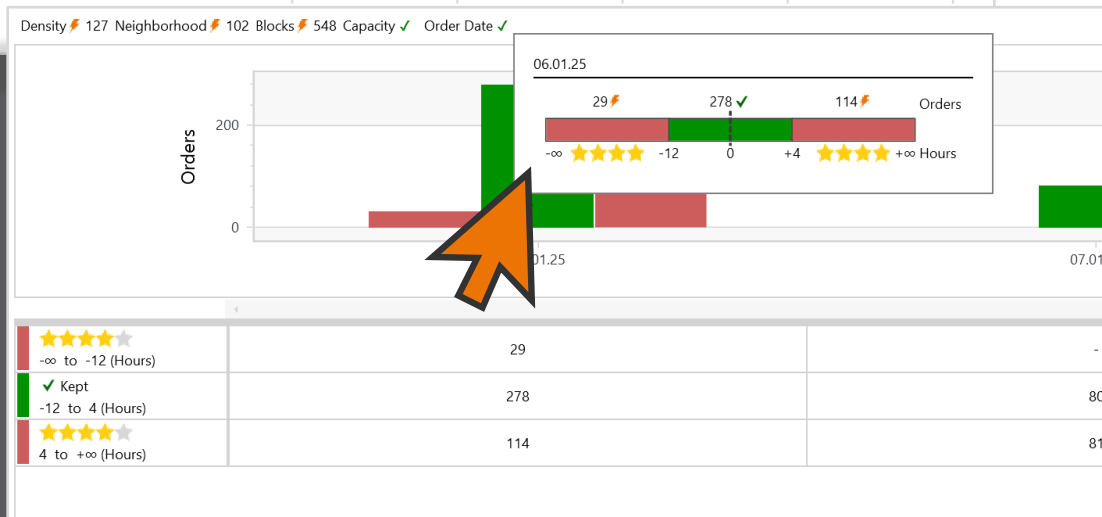
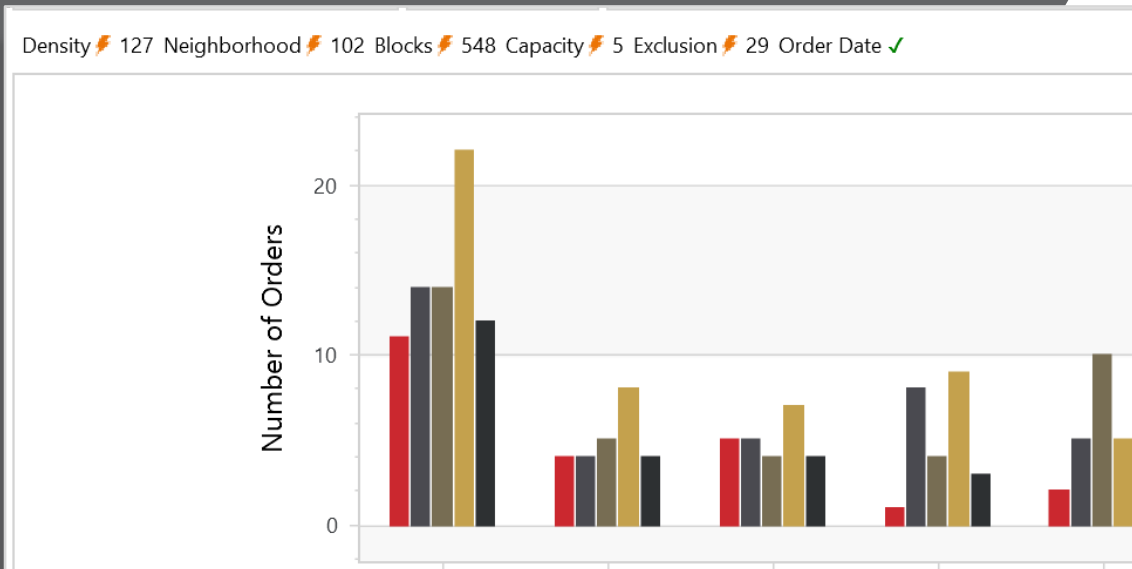
- Manage working days and (rotating) shifts
- Different shifts per line section or station
- Flexibly plan any number of planning horizons

Generate and Communicate Order Dates

- Automatically generate planned dates by linking order sequence and plant calendar
- Live order date updates when changes are made to the sequence or quantity
- Use an interface or Excel export to conveniently share order dates
- Clearly compare planned, target & actual order dates

Work More Easily as a Team

- Multi-User Support
- Display the current planning status at any time and change it if necessary
- Complete order scheduling without the need for an additional third-party system

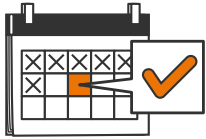


Program Planning

Determine the feasibility and bottlenecks of the order program at an early stage and plan ahead efficiently

Benefits – Program Planning

Your Result



Meet Deadlines



Recognize Bottlenecks at an Early Stage



Ensure Feasibility of Production Quantities

Obtain a Useful Overview in Early Planning Stages

- Analyze adherence to order dates to clients and suppliers at an early stage and take countermeasures if necessary
- Display the distribution of models and equipment features quickly and clearly
- Identify critical production days or shifts using convenient filter and analysis functions

Reduce Planning Effort Plan Ahead Efficiently

- Better control of large production volumes and assignment of variants to days or weeks at an early stage
- Better adherence to deadlines and production restrictions through advance planning
- Perfect preparation of the daily order scheduling through forward-looking planning when creating the order programs

Recognize and Communicate Problems Quickly

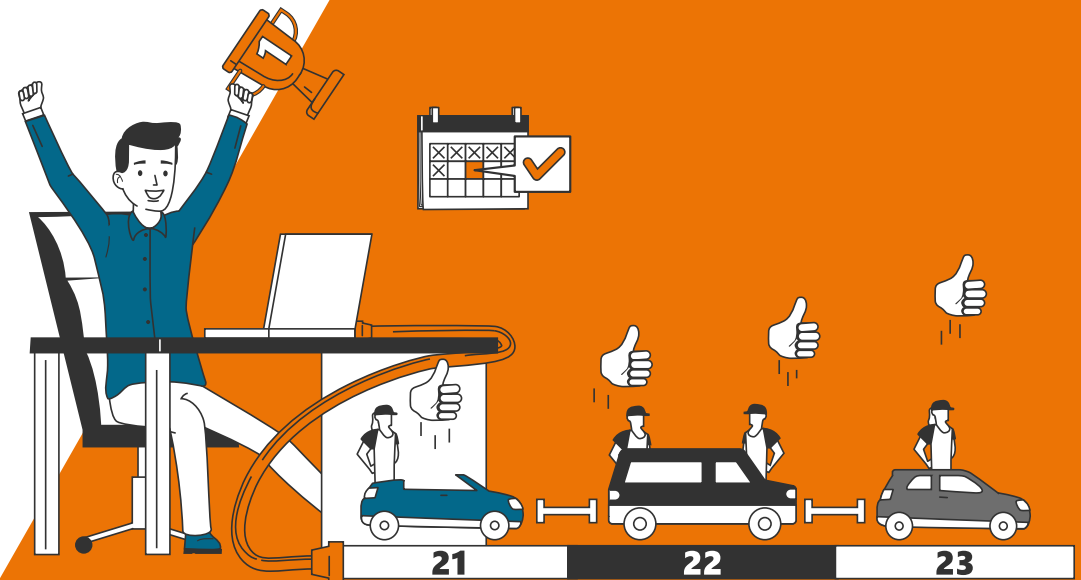
- Receive important key figures long before detailed planning begins
- Easy communication with other departments through greater transparency

Convince Yourself Today

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Your Advantages With TAKTIQ Software

- Use and exploit production capacities safely
- Precisely simulate and compare planning scenarios
- Smoothly map and plan interrelationships
- Create significant reports easily
- Modern and user-friendly interfaces
- Clear and comprehensible visual representations
- Easy and intuitive to use
- Language selection enables native use (German, English, French, Chinese, Hungarian and Italian)



Your Advantages With TAKTIQ



Used by Renowned
Customers Worldwide



Certified
Company



Regular Exchange
of Best Practices



Individual Solutions for
Your Production



Permanent Updates
and Improvements



Solving Problems
Within a Day



Comprehensive
User Manual



Direct Support by E-Mail
and Telephone

3 Ways To Integrate TAKTIQ Into Your IT Landscape



Excel Im-/Export

Do you want to **test everything first** before investing in a long-term interface?

Simply export our Excel template directly from TAKTIQ, enter your data in the selected columns and import it again. We will be happy to help you!

[Schedule Appointment](#)



Standard Interfaces

Connect your IT landscape **yourself, quickly and easily** with TAKTIQ thanks to our standard interfaces.

With our sample interfaces, your IT team can get an idea of the scope and structure.

[Open Sample Interfaces](#)



Other Interfaces

We have already implemented interfaces to systems such as **Ticon, SAP, Windchill** and over 10 other customer-internal systems.

We are also happy to program an interface to **ema, halocline, Siemens Teamcenter** and other systems on request.

[Schedule Appointment](#)

Open Questions? These Documents Will Help You!

Service Specifications

What product combinations and services does TAKTIQ offer?

How is the price calculated?

[Open PDF](#)

Product Development Agreement

What is the development process for a TAKTIQ extension?

What is the pricing for such a development?

[Open PDF](#)

System Requirements

How does the installation work?

What requirements does my IT have to meet?

[Open PDF](#)

More Questions

Which address should I contact if I have further questions?

[Write E-Mail](#)



TAKTIQ

Bring your Produktion in Einklang!

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