



Manage your manufacturing
schedule for different products
better with Boyum IT



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Boyum IT at a glance

+28 years

100% partner driven

+1100
partners

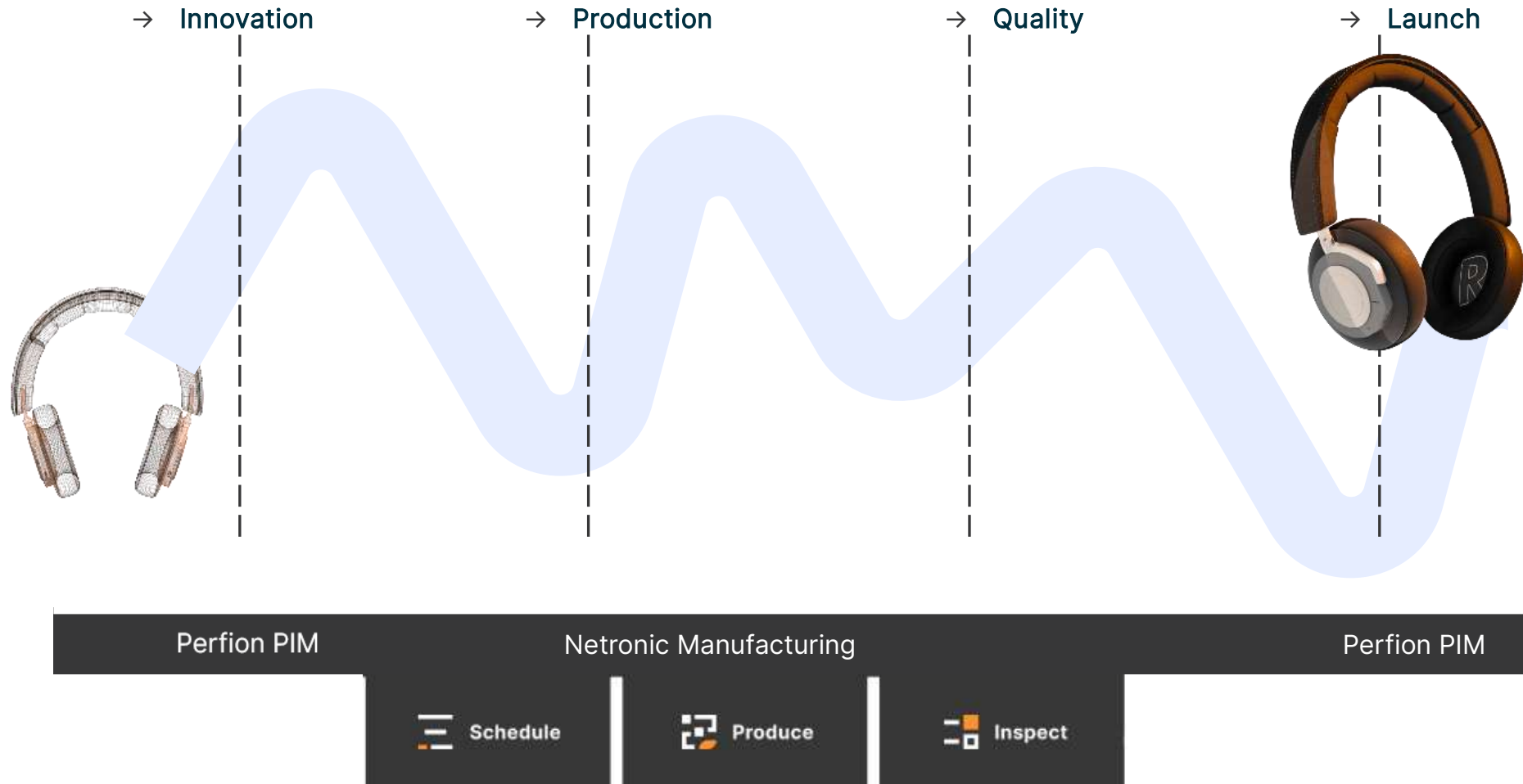
+130
countries
installed



Timeline

- 2024:** Acquisition of NETRONIC – A leading Production Scheduling Software
- 2023:** Acquisition of Perfion PIM – A powerful standard software to manage product-data for seamless e-commerce
- 2022:** Acquisition of MyPaperflow – An intelligent Document Management Solution
- 2020:** Launch of Boyum Cloud Apps
- 2018:** *Vertical* logistics software provider (*Produmex*)
- 2016:** *Vertical* manufacturing software provider (*Beas*)
- 2007:** Becoming SSP (ISV) with proprietary *Horizontal* solution
- 2003:** VAR for SAP Business One

The Product Value Chain



What is Netronic Manufacturing



Transforming your vision into reality

Designed to work seamlessly together - For a smooth transition from conception to high-quality products.

 **Schedule (VAPS)**

 **Produce**

 **Inspect**

→ **Production**

Schedule your
production

Optimize resources and
reliable delivery time
commitments based on
powerful scheduling.

→ **Quality** →

Inspect your product

Boost productivity and
decision-making in
quality control by
automating inspections
and optimizing data
collection.

Welcome to the VAPS

The VAPS enhances Dynamics 365 Business Central with finite capacity scheduling that blends user-triggered automation and drag-and-drop control through an interactive visual interface.



The VAPS is unique

- Integrated with Dynamics 365 Business Central
- Different views to help you:
 - Capacity view
 - Production order view
 - Sales order view
- Multiple automatic scheduling tools to support different scheduling challenges
- Manual drag & drop options
- Alternative machine centers with productivity factors (on setup and runtime)
- Finite capacity forward scheduling
- Scheduling with earliest material availability date (EMAD)
- Create multiple production simulations, compare them, publish the best



The VAPS is unique

- Full integration into and with Dynamics 365 Business Central
 - No data interfaces, no interfaces to outside servers
 - Knows the production journal → integrates with the shopfloor
 - Knows the planning worksheet → integrates with MPS and MRP
- Visual schedule incl. drag & drop scheduling
 - Capacity view
 - Production order view
 - Sales order view
- Manual drag & drop options
- Automatic forward scheduling with finite capacity
- Multiple scheduling tools to support different scheduling challenges
- Alternative machine centers with productivity factors (on setup and runtime)
- Scheduling with earliest material availability date (EMAD)
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What differentiates the VAPS from others (and from standard Business Central)

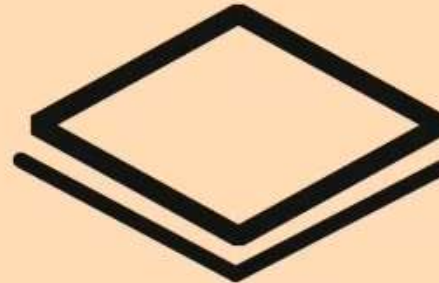


Our solution has three main pillars

Finite capacity scheduling
(forward | ASAP)



Simulations
(Separating scheduling from execution)



EMAD
(Earliest material availability date)



SDST – Sequence dependent setup times



1. We decided for an MVP (minimum viable product) approach to enhancing the VAPS to cope with setup times that vary based on the sequence of different production orders on “the same machine”
2. The new function is in-line with the “VAPS philosophy”: no magic button, but focused scheduling instruments
3. When we load data in the VAPS (and show production orders on standby), we take standard BC data (i.e. the data coming from the standard production order routing lines)
4. You have to say “apply SDST data” to apply SDST data → it does not happen automatically
5. There are no limitations in terms of how many work/machine centers that you can have to schedule with varying setup times. We recommend that you start with one, understand the functionality and then decide for the next one.
6. We integrated the SDST function with the item attributes. Hence, everything starts there.
7. We do not work with a setup matrix, but we define (in the “VAPS / SDST world”)
 - Standard setup time
 - Same value setup time
 - Exceptions

The use case for the demo

- There is one machine center with setup times that vary by the sequence of order of the production orders

Work center = Laser drilling | machine center = Epilog Legend 36EXT

- The item attribute that drives the setup times is the diameter of the hole to be drilled (3.0 mm, 2.0 mm, 1.0 mm)

The smaller the hole, the longer it takes to fine-tune and test-run the machine. Hence, it is ideal to go from small to large

- Setup time configuration for that machine center
- Master data routing = 480 mins
- Default setup time (SDST setting) = 60 mins
- Same value setup time (SDST setting) = 0 mins

Attribute Unit Of Measure			
	From Attribute Value	To Attribute Value	Setup Time
→	3,0mm	2,0mm	480.00
	3,0mm	1,0mm	480.00
	2,0mm	1,0mm	480.00

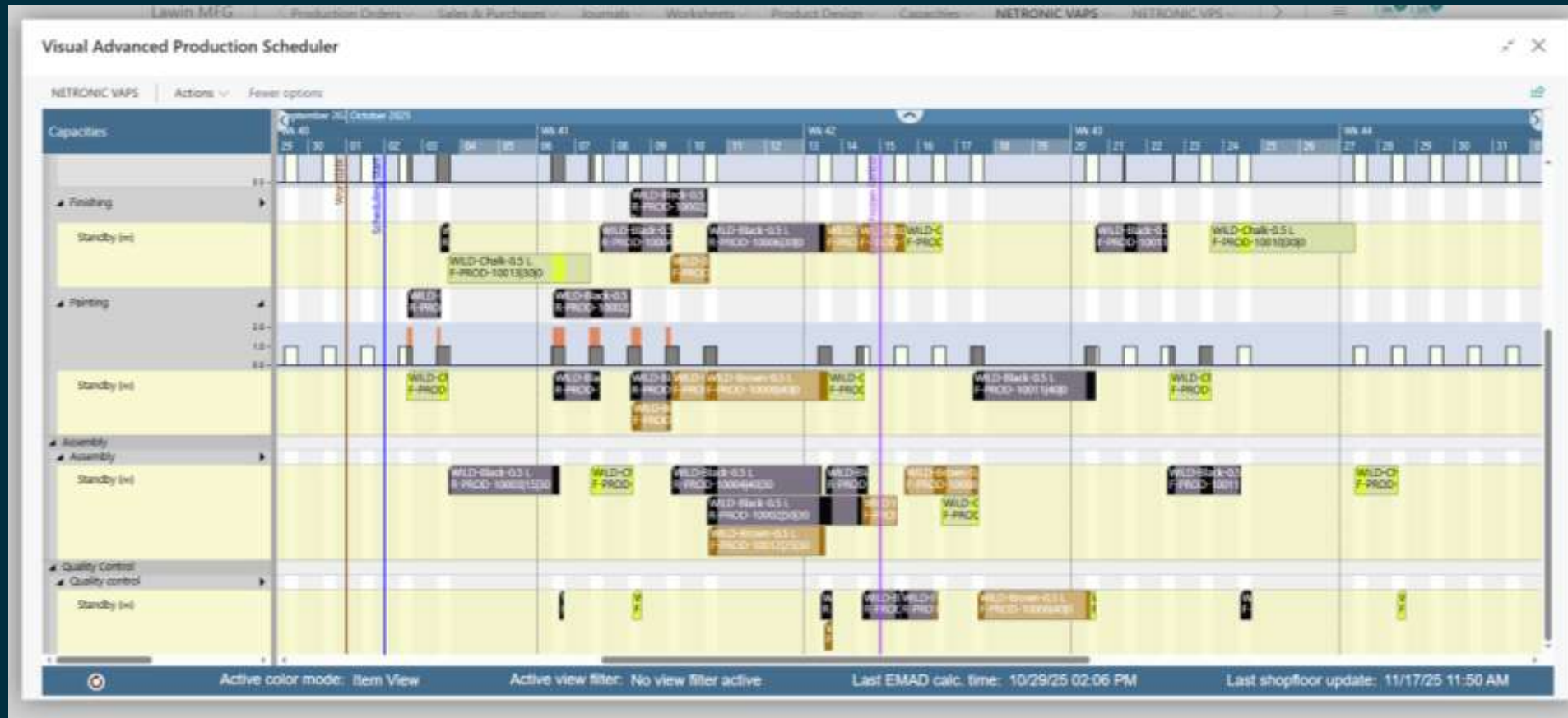


Recommendations for making best use of the SDST functionality



1. If you have less than 15–20 setup relevant item attribute parameters → define item colors based on the respective parameter → that way, the Item Color View becomes a powerful helper
2. Enhance the “add all” and the “move operations” table to include information that help you to pre-sort your production orders
3. Execute “add all” with a pre-sorted list of production orders
4. Then press “apply SDST data” on the respective machine center
5. Then press “tighten queue” on the same machine center
6. Then “squeeze” the rest of the schedule → tighten queue or fill idle times

Demo time



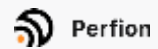
Product Roadmap 2026 (between 6 – 12 months)

- Advanced visualization (Job View; PO nets)
- Extended EMAD (Calculation based on replenishment times)
- Personnel shift planning
- Advanced scheduling (2 Resources; Auto SDST; extended link functionality)
- Behavior during downtime can be optionally set: (a) on standby (like today) or (b) everything to the right (new)
- Smart solution for identifying and analysing bottlenecks

What is Perfion PIM

All-in-one Product Data Solution

Single source of truth for product information

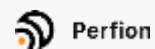


Innovation

Build your product

Manage information, processes, and decisions related to product innovation.

Build product items and release to D365 Business Central.

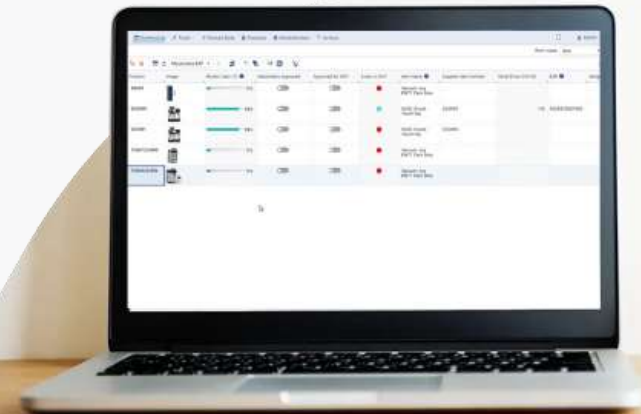


Launch

Launch your product

Enrich products with specs and marketing content.

Publish to all channels.
Build datasheets and catalogs.





Want to know more?

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