

Advanced Product Wheel Scheduling



Factory performance hinges on rhythm. With the right sequence, your operations can drive throughput, reduce cost, and deliver with confidence—even in constant change.

THE CHALLENGE OF FACTORY SCHEDULING IN TODAY'S SUPPLY CHAIN

Factory floor scheduling has always been complex, but in today's environment, it's never been harder, with an expanding product mix, unpredictable volumes, and constant supply chain disruptions.

For schedulers, this results in constant firefighting, inefficient changeovers, excessive overtime, and inventory imbalances – ultimately wasting time and incurring higher costs.

ENTER ADVANCED PRODUCT WHEEL SCHEDULING

Product Wheel Scheduling delivers predictability and control even in an unstable environment by:

1

Bringing economies of repetition to production.

2

Aligning production with business targets – cash, cost, and service.

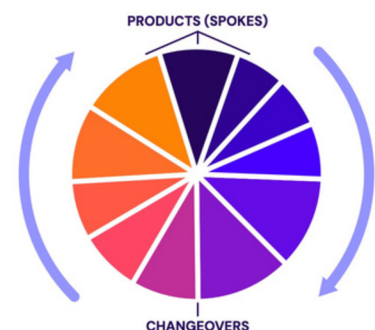
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Enabling the factory to settle into regular, efficient, repeating cycles.

WHAT IS A PRODUCT WHEEL?

A Product Wheel is an optimized, recurring production sequence that:

- Minimizes changeover losses.
- Balances Make-To-Order and Make-To-Stock in the same plan.
- Allows low-volume SKUs to skip cycles, reducing unnecessary production.
- Maintains a fixed sequence and cycle time for predictability.



WHY USE PRODUCT WHEEL SCHEDULING

Product Wheels deliver the stability, service, and efficiency your business demands.

- **Higher throughput** — produce more using the same resources.
- **Lower COGS** — efficient setups, reduced downtime, less waste.
- **Increased service levels** — meet demand faster, ship more reliably.
- **Greater agility** — better response to rush orders and disruptions.

HOW DOES IT WORK?

Product Wheel Design transforms your plant's scheduling.

- Define optimal sequences for the best product order for minimal changeover.
- Set ideal cycle times and frequencies for the right balance of run length, inventory targets, and service levels.
- Make low-volume products at a frequency that balances production and inventory costs.
- Intermix Make-To-Order and Make-To-Stock products on the schedule.



“Product wheel design is a comprehensive way to take all parameters under consideration in order to arrive at the cycle times that best fit the business needs.”

PETER KING — AUTHOR, “THE PRODUCT WHEEL HANDBOOK:
CREATING BALANCED FLOW IN HIGH-MIX PROCESS OPERATIONS”

THE RESULTS

Achieve stable production cycles, improved equipment and labor utilization, lower inventory costs, faster disruption response, and more capacity—without added capital.

Make better decisions. Reduce firefighting. Deliver results.

READY TO TRANSFORM YOUR FACTORY SCHEDULING?

Contact us to learn how Advanced Product Wheel Scheduling can empower your team and transform factory performance—so you can deliver more, with less disruption.

**ELEVATE YOUR PEOPLE.
TRANSFORM YOUR SUPPLY CHAIN.**



Contact Zinata to get started.