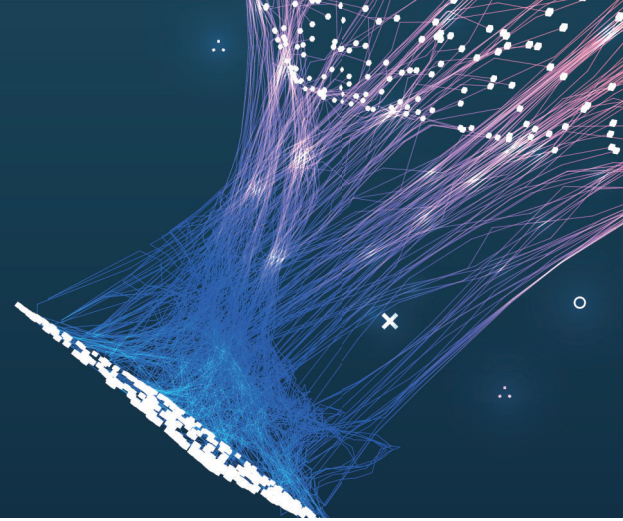


MOZART Fab WISE

Try out the simulation platform to learn valuable insights into semiconductor manufacturing processes.



MOZART Fab WISE, built upon VMS's extensive 20-year expertise, is a solution that incorporates various specialized requirements arising from semiconductor and display manufacturing processes. It helps you tackle the intricate planning and scheduling challenges inherent to your fab operations, getting you closer to operational excellence.

Why MOZART Fab WISE



Experience-Driven Solution

VMS' deep knowledge in semiconductors and displays has made Fab WISE a solution designed to solve industry-specific challenges.



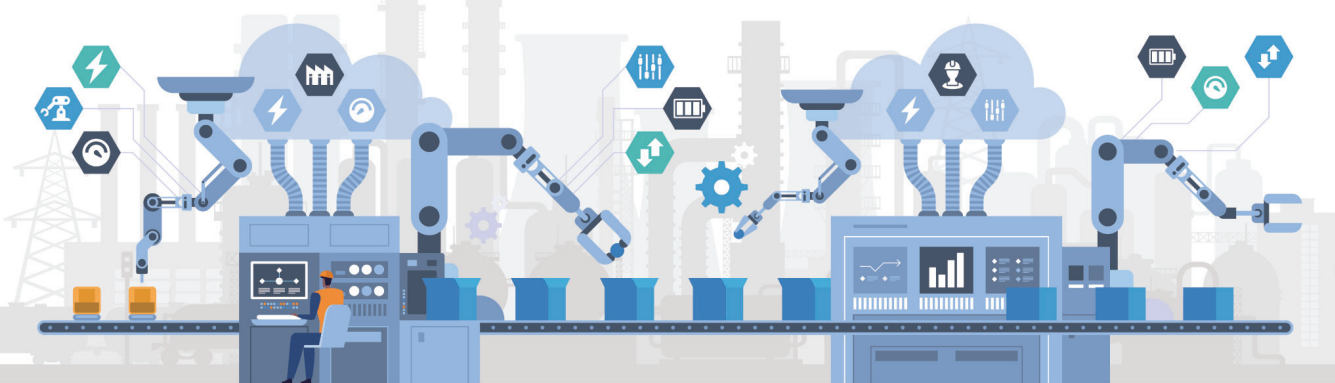
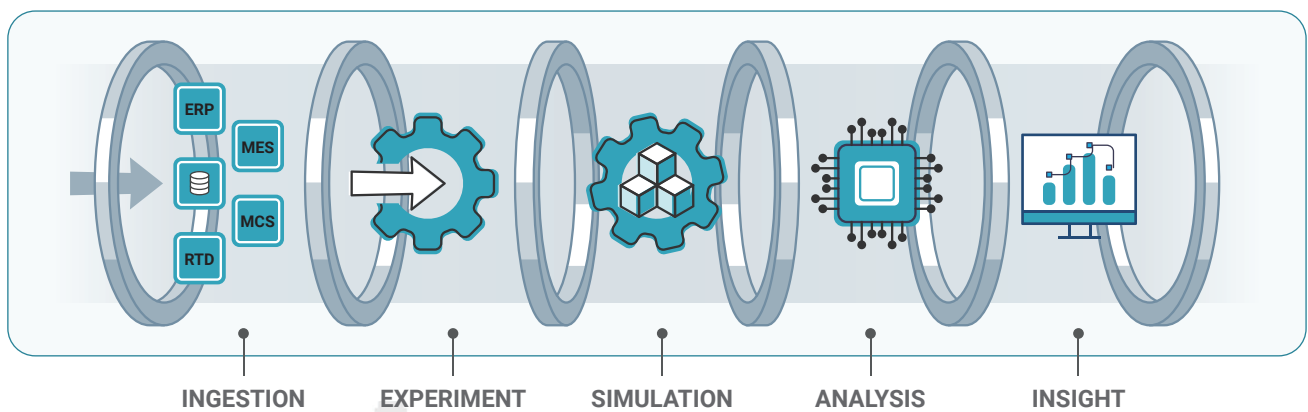
Comprehensive Insights

Fab WISE provides helpful insights for improvement and optimization, leveraging comprehensive output data, powerful data analysis, and user-friendly interfaces.

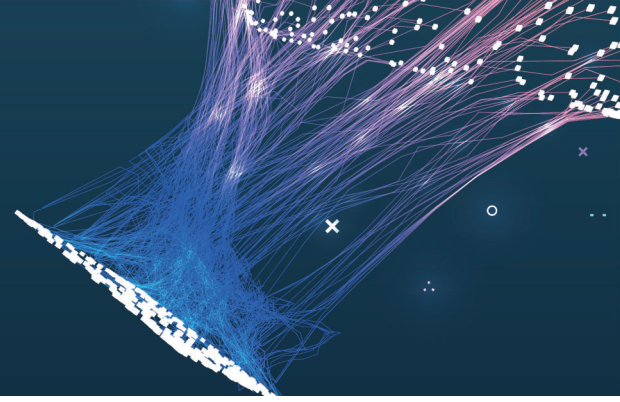


Adaptable & Scalable

Fab WISE works for both short-term and long-term simulations, which serves capacity planning, factory planning, and real-time scheduling.



Reach your operational goals by meeting due dates, using resources better, and cutting down cycle time and WIP level.



Key Features

In-depth Analysis Report from Specialized Understanding

- At-a-glance dashboard for quick result assessment
- Enriched analysis reports grounded in extensive semiconductor expertise

Configurable Simulation Modeling

- Customization options to fit specific needs
- Suitable for short and long-term, rough and detailed simulations

Backward and Forward Planning Engine

- Synchronize production seamlessly with demand using backward pegging
- Simulate forward loading by modeling production routes, resources, and dispatching rules, while considering operational constraints and rules

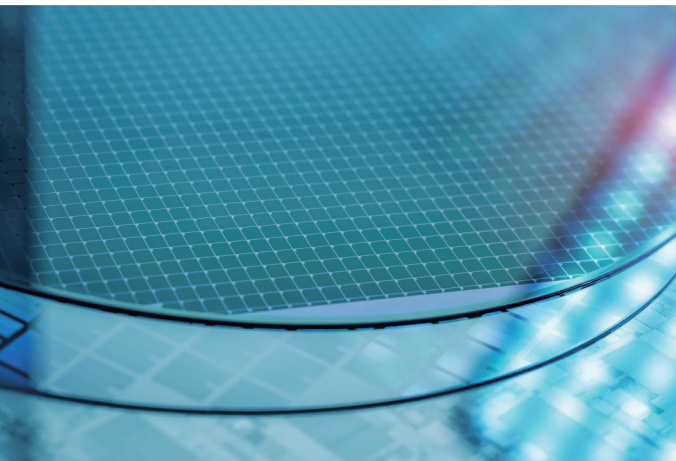
Integrated with Optimization and Machine Learning

- Transform optimized results from a global perspective into executable planthrough simulation
- Applying machine learning techniques to simulation helps find the best solution



Benefits

- Enhanced demand fulfillment and on-time delivery (OTD).
- Improved overall equipment effectiveness (OEE) and increased fab-outs.
- Decreased cycle time (CT) and work-in-progress (WIP) levels.
- Enhanced line of balance (LOB) by proactively addressing bottlenecks.



Everyday Challenge in Fab Operation

- When/How many wafers should we start today?
- What's the optimal product mix based on our resource capacity?
- When is the best time for preventive maintenance (PM)?
- Do we have sufficient resource capacity to meet the annual demand projection?
- What's the best NPI (New Product Introduction) lot ratio to minimize the impact on production lots?

Let us guide you through modeling and verifying each challenge. For more information, visit us at vms-solutions.com