

**Success Story**

# Aston Analytics' MO Readiness Dashboard Eliminates Material Shortages and Boosts On-Time Delivery for Manufacturing Clients

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## Overcoming Material Readiness Complexity



For manufacturing companies with a high mix of products and a large volume of manufacturing orders, ensuring material readiness for production can be a significant hurdle. Our client faced precisely this challenge. Their existing ERP system required a consolidated view of when all necessary materials would be available for specific manufacturing orders. The procurement team's attempts to manage this using Excel proved increasingly complex and inefficient, especially with shared components across numerous orders. The recent global silicon shortages, leading to extended lead times, further amplified the critical need for a proactive and accurate view of material availability. They had previously explored expensive, industry-specific ERP integrations but sought a more flexible and cost-effective Dashboard solution.

## Aston Analytics Delivers a Custom MO Readiness Dashboard



Partnering with Auto Simply to add a BI Dashboard functionality to existing and world leading Manufacturing Software, this ERP-agnostic solution was designed to provide a clear, forward-looking view of material availability. It integrates data on current stock levels, incoming purchase orders, and material outflows from sales and other manufacturing orders to predict when all components for a specific MO will be "ready" for execution. This approach offered the flexibility and tailored insights the client needed, significantly adding value to their current Manufacturing Software capabilities.



## Implementation and Daily Impact:

Over the past two years, Aston Analytics iteratively developed and refined the MO Readiness Dashboard based on the client's evolving needs. The current version, equipped with enhanced functionalities, has become an indispensable daily tool. The client's Material Manager relies on the dashboard to provide critical information to the Stores team for efficient material kitting. Furthermore, Production Project Managers utilize the report for proactive status tracking, and the Production Manager leverages it for informed scheduling of downstream operations within their Manufacturing Execution System (MES).



## Key Benefits: Gaining Foresight and Control

The MO Readiness Dashboard has delivered significant benefits by providing a holistic and predictive view of material readiness. As the client stated, "The information on what material is on order and what is already in stock on its own doesn't provide an adequate picture to manage material effectively. A view of what the material status will be at a future point in time when you require the material to execute a manufacturing order is required. This should take material availability from stock and inflows from purchase orders and outflows from sales and other manufacturing orders into account."

## Adding Value: Proactive Problem Solving and Enhanced Predictability

The true value of the MO Readiness Dashboard lies in its ability to proactively identify potential material shortages or problematic delivery dates early in the manufacturing process. This early warning system provides crucial lead time for the client to implement alternative plans and strategically focus their expediting efforts. The result is significantly improved predictability in their production schedule, ultimately ensuring better on-time delivery to their customers.

## Conclusion:

By partnering with Aston Analytics to develop a custom MO Readiness Dashboard, our client has successfully enhanced the capabilities of their ERP system and the complexities of managing material readiness in a high-mix, high-volume environment. The dashboard has not only provided a critical layer of visibility into their supply chain but has also empowered them to proactively address potential disruptions, leading to enhanced predictability and improved on-time delivery. This success story exemplifies Aston Analytics' commitment to delivering tailored, data-driven solutions that address specific client challenges and drive tangible business value.

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## Client Testimonial:

*I think that other manufacturing companies with similar challenges would benefit from having this type of view on their material.*

-Schalk Laubscher  
(Executive Manager of Production)



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