



# Five Ways Material Management Solutions Can Improve Production Efficiencies for Manufacturers

Recent events have shown an even more explicit warning to manufacturers to develop better workflows for navigating disruptions. While visibility is the most critical capability to develop now and into the future, finding where and how to take advantage of technology to increase awareness into production efficiencies is critical. As manufacturers evaluate where and when to recalibrate their global manufacturing processes, they can turn to **digital capabilities to provide greater insight** into all aspects of their material management process.

With market conditions fluctuating and proving even more unpredictable due to global supply chain conditions, challenges such as labor availability and costs, greater demand for customized consumer manufacturing and increased material shortages, **material management technologies are key** to heightening efficiencies into critical factory workflows.

## CHECK OUT THESE FIVE INDUSTRY CHALLENGES AND WHY A MATERIAL MANAGEMENT SOLUTION IS NECESSARY:



### EXCESSIVE INVENTORY

An excessive amount of product and raw materials on hand can lead to higher costs associated with storage and inventory management. With material management solutions, companies can improve order accuracy, efficiency and product flow to avoid unnecessary and costly excess inventory.

### LIMITED VISIBILITY

Most ERP systems have visibility into the aggregated quantities per part number, but lack the granular visibility of its location and quantity. In many cases, visibility of raw materials can be lost once moved into production. With the right material management solution, companies can reduce material shortages and misplacements while keeping accurate records of remaining quantity. This keeps your production lines running.

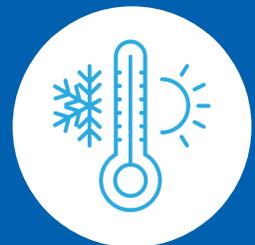


### HIGH LABOR COSTS

As the labor crisis continues and labor costs rise, manual material tracking efforts from material picking, delivery and production result in high costs and potential manual errors. Material management solutions offer streamlined efforts with additional tracking and data analytics to reduce errors and improve labor efficiencies.

### SENSITIVE MATERIALS

Perishable materials that cannot be exposed to the elements, such as moisture or air, must be tracked precisely and efficiently to reduce material spoilage. Digital material management solutions can increase precise tracking to avoid waste of precious and sensitive goods.



### DISCONNECTED PROCUREMENT

Extending the value of enterprise resource planning is critical to accurately determining reorder times based on usage and forecasted demand. Material management solutions offer a detailed view of the manufacturing process from cost of materials used and potential scrap. With the integration of your ERP and Material Management system, this provides a smoother operation and automated communication between procurement and operations team resulting in increased productivity and inventory alignment.

As you can see, there are many reasons to adopt a material management solution. To learn how Panasonic can partner with your business to increase productivity from many different touchpoints across the warehouse, visit <https://na.panasonic.com/us/industries/manufacturing>.