



TR and Grant Engineering Drive Manufacturing Efficiency with New Line-Side Inventory Solution



part of the Trifast plc Group



Building on its long-standing relationship with Grant Engineering, TR has implemented a new line-side inventory management solution that will improve stock visibility, streamline the management of Class C components and support greater manufacturing efficiency across the company's production facility.

The project represents the next stage in a partnership spanning more than a decade, with both organisations working together to optimise inventory management and reduce manual processes through a smarter, data-driven approach.

Following discussions around improving operational efficiency, TR worked closely with Grant Engineering to assess its existing inventory management processes and identify opportunities for improvement. After conducting a detailed line walk and reviewing production requirements, TR's supply chain specialists recommended a tailored line-side solution designed to place critical fasteners and Class C components exactly where they are needed on the production line.

The initial implementation will focus on high-volume fasteners, including bolts, screws and washers, which are essential to day-to-day manufacturing operations. By positioning stock at the point of use and providing complete visibility of inventory levels, the new system will help ensure components are available when required while reducing

unnecessary inventory and supporting lean manufacturing principles.

Unlike traditional manual bin management systems, TR's solution captures real-time consumption data, enabling replenishment based on actual demand rather than forecast assumptions. This provides greater transparency for both organisations, helping optimise stock levels, reduce working capital and improve overall supply chain performance.

For manufacturers such as Grant Engineering, where production schedules can vary significantly in response to customer demand, maintaining the right inventory levels can be challenging. The flexibility of the new line-side solution enables stock to adapt to changing production requirements while reducing the risk of shortages that could disrupt operations.

As part of the service, TR will provide ongoing on-site inventory management and regular replenishment visits, taking full responsibility for ensuring Class C components are always available when needed. By proactively monitoring stock levels and maintaining inventory in line with production demand, TR removes the burden of managing these low-value but business-critical parts, giving Grant Engineering complete confidence in its supply while allowing its team to focus entirely on manufacturing.





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Dan Baldock, Operations & Supply Chain Director at TR, said:

“Manufacturers today are looking for more than a component supplier, they want a supply chain partner that can help improve productivity and reduce operational complexity. By working closely with Grant Engineering, we’ve developed a solution that provides greater visibility, simplifies inventory management and supports more efficient production. It’s a great example of how collaborative engineering partnerships can deliver measurable business benefits.”

Grant Engineering believes the new system represents a significant step forward in its approach to inventory management.

A spokesperson for Grant Engineering said:

“We were looking for a more efficient way to manage Class C components and improve stock availability across the factory. TR took the time to understand our operation, demonstrated the available options and developed a solution that met our requirements. The increased visibility and automation give us greater confidence that the right components will be available when needed, while reducing the manual effort involved in managing inventory.”

The implementation also provides a platform for future growth. While the initial phase focuses on fasteners and other small components, the flexibility of TR’s supply chain solutions means additional product categories could be incorporated as the system evolves.

The project reflects TR’s broader

commitment to helping manufacturers improve operational performance through integrated supply chain solutions that go beyond component supply. By combining engineering expertise with inventory management, digital visibility and on-site support, TR enables customers to reduce waste, improve efficiency and build more resilient manufacturing operations.

Following implementation, TR and Grant Engineering will continue to monitor performance and measure the operational improvements delivered by the new system.

For more information, visit the [Supply Chain Simplification](#) section of our [website](#)

Maximise storage efficiency and free up valuable space by replacing old containers

