



Excellence in production control and administration for manufacturing businesses

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TECHNOSET BENEFITS FROM TRACEABILITY AND PROCESS LAYOUT ADVANTAGES OF PSL DATATRACK

Technoset, the precision engineering company specialising in the manufacture of high precision turned and milled components, has improved its supply chain and production routines thanks to PSL Datatrack. The advantages of highly effective process and product traceability delivered by the PSL Datatrack Process Layout module have had a major impact on the company's continued success. Not only can Technoset underline traceability as a key element of the services it provides, but also the company's production and administration standards are continuously set at the highest possible level.



Technoset's sub-contract business primarily serves the aerospace industry where traceability is absolutely critical. Customers are also based in the opto-electronics & lasers, marine, sensors, telecommunications, motorsport and medical devices sectors amongst others.

Before installing PSL Datatrack, Technoset operated a manual based production administration system with inherent disadvantages such as a plethora of paper based records, lack of a back-up system and, critically, poor presentation to potential customers. To address this, a number of production management software packages were investigated, but PSL Datatrack was the system chosen based on the nature of Technoset's business and its already proven track record within the sub-contract manufacturing sector.

The advantages of using PSL Datatrack to help achieve complete production traceability are based on some key features. For example, it accumulates data automatically as different process transactions are carried out. It records and reports on specific single and multiple material batch control data and builds a complete history of processes associated with components and assemblies. This includes details of the actual production machinery used; the inspection equipment used and associated results history, the certification of materials and any other relevant aspects of the production process. Traceability of products throughout the production process is therefore guaranteed with the creation of a history of

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Proud to be members of





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every part and how it was made. Precise electronic documentation is available including the complete component history at-a-glance. A powerful search feature is also included.

Importantly, PSL Datatrack also works together with Technoset's AS9100 Auditors to ensure rapid, efficient conformance, satisfying most certification requirements for aerospace as well as other commercial and motor vehicle applications. "PSL Datatrack has transformed the way we operate our business. The traceability we are now able to demonstrate to all customers is a major contributing factor to our success," says Technoset's Managing Director Kevan Kane.

PSL Datatrack's Process Layout module has also proven to be a particularly valuable tool for Technoset with its ability to provide a history of improvements and refinements in the production process and reductions in production cycle times which has inherently led to more accurate forecasting of costs and production capacities.



At shop floor level, the function of the Process Layout module is to promote discipline in Technoset's manufacturing process. It confirms the engineering definition of the component or assembly to be manufactured. It provides drawing and issue number control, confirms the requirements of the works order, the production equipment required, gauge and tool requirements for the job in hand. The quality requirements of first-off and production parts are also controlled.

Based on historical experience the optimum manufacturing process is defined. Technoset's production

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team is directed in the sequencing of the manufacturing process and critical points such as subcontracted operations are identified and monitored. Shop Floor Data Collection procedures are captured by touch-screen or barcode, giving immediate analysis of progress throughout production.

“The Process Layout aspect of PSL Datatrack has definitely assisted us in the on-going refinement of our manufacturing processes,” continues Kevan. “Our shop floor operatives get better instructions each time a specific job is repeated, thereby leading to a reduction in scrap and reworking as well as other advantages including a reduction in downtime.”

Technoset's success to date has also been based on the high degree of flexibility that can be offered to customers, including scheduled deliveries and the ability to deliver component batches of different runs as well as assembled components. The company can also undertake the management of sub-contract processes such as heat treatment and plating to allow the supply of parts ready for production. PSL Datatrack manages all these aspects of the business.

Technoset first invested in the PSL Datatrack system in 1999 and the simple, clear user interface has allowed them to be extremely self-sufficient in their use of the system. PSL Datatrack has been the backbone to the growth of the business since its installation. Continuous support and system upgrades have enabled Technoset to take advantage of system updates to meet the ever-changing demands of customers and the industry.

The service and support provided by PSL Datatrack has been excellent according to Kevan: “PSL Datatrack responds to our needs in a timely manner and overall we are very pleased with our system some 13 years since its initial installation.”