



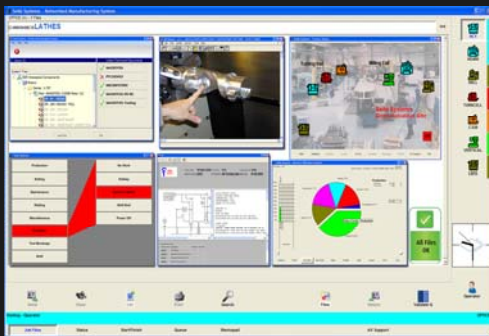
Seiki Productivity Suite

Seiki Systems Ltd is a leading UK supplier of manufacturing execution software solutions, integrating the entire manufacturing enterprise to provide an immediate, visual and dynamic picture of the 'plan to make' production process. Established for over 16 years, the company specialises in developing manufacturing systems designed to maximise the efficiency of production equipment and plant resources. The Seiki solution comprises of a suite of modular software that can be utilised for planning, controlling and improving manufacturing throughput. Modules include ERP, real-time graphical work scheduling, advanced DNC, paperless manufacturing, machine performance monitoring, OEE calculations and performance related reporting. Creating a synchronised IT environment by linking shop floor activities to top floor production driven business processes enables the company to execute the manufacturing processes more effectively and profitably. In order to remain competitive, maintaining a knowledge driven operation that supports a proactive, flexible and controlled approach to the total manufacturing process is a key differentiator - your strategic and operational manufacturing management system.

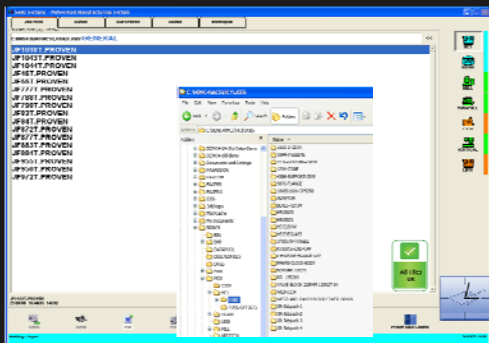


What is the Seiki Productivity Suite?

Seiki Systems' Productivity Suite is a portfolio of modular products that integrates the entire manufacturing enterprise and provides an immediate, visual and dynamic picture of the entire manufacturing process, providing the level of flexibility required to meet the ever changing demands of the industry and their customers.



Seiki NMS is a complete shop floor communications solution designed to electronically distribute and collect manufacturing process data



Seiki Networked DNC is a complete shopfloor communications solution designed to facilitate controlled transfer of NC files.

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Creating an immediate, visual and dynamic picture of the entire manufacturing process

Seiki NMS

Seiki NMS is a modular system that comprises of both manufacturing and business intelligence software. At the shop floor level it includes, display of work queues and job data collection (SFDC), machine monitoring, technical data distribution, DNC and probe data collection. The top office analytical suite offers a remote display of machine status and alarms, machine performance analysis, individual job reports and OEE; the key business tools that are necessary for effective work management and to achieve maximum utilisation of critical production resources. Seiki NMS is a powerful tool which provides live production management information and visibility to maintain a controlled and flexible approach to the manufacturing process.



Whilst traditional paper based methods can be used to collect and collate data they are often based upon historical data records and are likely to be inaccurate. One of the advantages of a paperless manufacturing environment is that up-to-date manufacturing data is made available at point of use for viewing by operators on the shop floor. Data such as NC programs, drawings, tool lists, operator instructions, NC simulation videos, etc. Supportive functions, like toolsetting, can see what's needed, where and when, to ensure everything is ready for start time. The system can also be configured to meet the requirements specified in individual quality standards by recording batch details and changes to NC programs, with audit and traceability records being automatically generated. The SFDC and feedback functionality within NMS enables access to real-time reporting, machine and job performance analysis and OEE on which to base production efficiency and continuous improvement strategies.

Seiki Networked DNC

The Seiki Networked DNC module has been developed for users who require a high level, easily managed system for shop floor communications. Seiki Networked DNC can be used by machine operators to navigate for files on a remote server, access complete job information packs containing all the manufacturing data relevant to a component or operation and can be configured to meet the requirements specified in quality or operating standards to ensure complete compliance. The system provides file access and status control with user prompts for the automatic generation of audit and traceability records. NC programs can be transferred to and from each connected CNC machine via a configurable interface (which includes special RS232 protocols where required) or via a CNC based Ethernet interface, in either case shop floor access to the remote server is controlled by Networked DNC and can be configured as required by the comprehensive access control feature.





One of the main advantages of the Seiki Productivity Suite is that all modules are supplied by Seiki Systems and are supported from the company headquarters in the UK. The benefits to be had from choosing a single supplier of manufacturing control solutions include: a single point of contact for your IT department, complete integration and compatibility between all Seiki software modules, and project management undertaken by our highly experienced team of experts who will be able to collaborate with you and help achieve the best solution for your company.

Seiki Scheduler

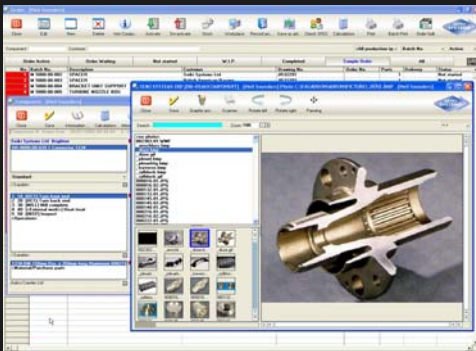
Finding a balance between the demands of meeting target delivery dates and managing work-flow efficiently and economically can be difficult when relying upon manual methods, such as multiple uncontrolled spreadsheets to manage highly complex planning and interwoven scheduling procedures.



To achieve a high level of visibility and control, real time systems that relate to resources and operations provide a far more accurate picture of current status of production on the shop-floor on which to base key planning decisions. Seiki Systems real time finite capacity graphical scheduler can interrogate any external data source such as ERP/MRP to establish the target planned completion dates and the number of parts required for each works order, or this data can be entered manually. It schedules each works order according to the scheduling rules, current work loads and available capacity and creates a synchronised work-to-list for each individual resource displaying in real time the work allocation for each resource, including part numbers, individual operations, due dates and forecast finish dates. Orders and operations can be easily viewed using single mask technology and re-scheduling can be achieved with simple drag-and-drop, which displays the total potential 'ripple' effects of any single change or multiple changes via an easily identifiable traffic light system. The system also displays resource utilisation together with available capacity and therefore knowing the exact status of all live works orders together with real capacity availability means the implications of unexpected delays or changes are easily visualised. This results in a predictive and proactive approach to the whole production process, ensuring that the priority delivery dates are optimised and met.



Seiki Scheduler is a complete finite capacity planning solution designed to provide a high level of visibility and control of your manufacturing.



Seiki ERP integrates essential business processes into a single system that enables information to flow easily through the entire company.

Seiki ERP

Seiki ERP is designed to integrate essential business processes into a single system that enables information to flow easily throughout the entire company. Data is held within a single database which provides users with access to a consistent set of core business records. The software is ideally suited for the SME market and overcomes the problems normally associated with trying to use multiple, uncoordinated spreadsheets and databases by integrating all the business functions into a single, multi user system.



Modern ERP software is not just about manufacturing resource planning, it provides essential intelligence that supports every stage of the order lifecycle. The knowledge held within individual business units can be co-ordinate to produce an automated, visual representation of the actual situation, eliminating the problem of trying to synchronise figures across multiple systems. The software enables effective stock management, demand and process planning, J.I.T supply and delivery scheduling, documentation management and management reporting. Graphic representation of profit and loss areas, comparison of estimated vs. actual costs and statistical analysis of the entire order process is instantly accessible as a result of the real-time functionality of the system.



The Seiki Productivity Suite consists of all the core Seiki software packages, which include, Seiki DNC, Seiki Jobpack, Seiki Monitoring, Seiki SFDC, Seiki NMS, Seiki Scheduler and Seiki ERP. Product information sheets are available for each of these software packages. The modularity of Seiki software provides manufacturers with a flexible solution and progressive upgrade path.

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