

Keep In Touch



Manufacturing Software

Visit our website at:- www.seikisystems.co.uk

MACH 2006

With just 10 minutes spent on the Seiki Systems Stand 5566 in Hall 5 at MACH 2006, visitors will be able to gain a fast track overview of how orders and workflow can be controlled and managed on the shopfloor to meet delivery dates and how utilisation of production equipment can be optimised using a range of individual modules that can be built-up as required to form a totally integrated manufacturing system (iMES).

Seiki Systems has over 6,000 CNC machines connected into our software and we can provide a complete suite of production management software tools involving CNC machining for small to medium batch production each of which have been developed as separate modules to meet specific requests of customers. On the Seiki Systems stand visitors will be able to explore the advantages of the various modules from an enterprise resource planning (ERP) system developed for small manufacturing companies, to four variants of DNC. There will be an exciting new 'real time' work scheduler, as well as shopfloor data collection which leads to machine monitoring and performance analysis, with the added support of remote status and information gathering, wireless transmission of data and alarm messaging. On-machine probing data can now be analysed by Seiki Systems and analysis software is available to satisfy any production management requirements with its ability to provide up to the minute productivity data and overall equipment effectiveness.

If you could benefit from:-

- A reduction in W.I.P and Inventory
- Maintaining delivery dates
- Improved machine utilisation
- Up-to-date manufacturing information

Then spend 10 minutes on our stand to see how our solutions can help improve your productivity and enhance your profitability. It could be the most important 10 minutes you spend at this show.

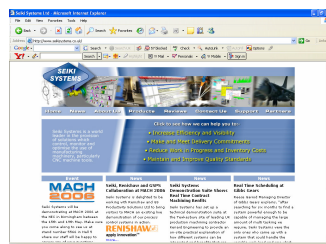
Real Time Scheduling SFDC Machine Monitoring OEE Performance Reports
Paperless Manufacturing Probe Data Collection Remote Alarms DNC

MACH 2006

15 - 19 May
Stand 5566 Hall 5

New Website @ www.seikisystems.co.uk

Everyone knows the importance of having a good company website. More and more people rely on the internet as a tool to communicate, to advertise or to carry out research. As a result we have taken the time to completely update our existing website to make it look more fresh, modern and most importantly user



friendly. The easy to use navigation bar will take you to all the latest news, product information and important contact details. There are also some new features such as a drop down menu from the products tab to take you straight to the information you require, plus there is also an enquiry form to email us your questions. Take a look!

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Support Challenge

In October Brian our technical support engineer, who is a keen cyclist, will take on the Macmillan Peru Cycling Challenge 2006. This 12 day trek starts at Lake Titicaca (the highest lake in the world) across remote altiplano and past snow capped mountains before finishing at Macchu Picchu—the famous 'Lost City of the Incas'. This cycling challenge is to help ensure that Macmillan are able to continue to support cancer patients and their families.

If you would like to know more about the Macmillan cycling challenge and how you can support the cause visit their website: www.macmillan.org.uk

Supplier Collaboration at MACH

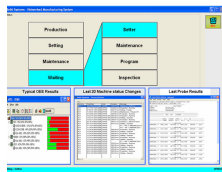
Seiki Systems is delighted to be working with Renishaw, a world leader in machine tool probing systems and GS Productivity Solutions Ltd, the UK representative of GibbsCAM®, to bring visitors to the MACH 2006 exhibition an exciting live demonstration of our process control systems in action.

This dynamic interactive demonstration, in 'real time' is designed to show how supplier collaboration can deliver 'in-process' improvements and machine tool monitoring benefits through the use of advanced machine tool probing techniques. All this will be carried out using wireless technology between the separate stands. The demonstration has been developed around a vertical machining centre on the Renishaw stand (5572) and will provide visitors with an insight to the advantages of off-line component and probe routine programming, in-cycle measurement, remote capture of measured data and

machine performance monitoring in a live manufacturing environment. The demonstration will show:-

- how off-line component and probe routine programming will reduce set up times
- how on board probing technology can be applied for quality improvement and capture of machine status information
- how quality data and status data can be automatically extracted from the machine for off-line recording, real-time actions and analysis.

Using factual data collected from the machining centre, the performance of each job can be determined through a standard measurement to generate OEE results, as well as providing information on unplanned downtime to enable production losses to be determined, quality performance measured and full traceability records established.



Integrated Process Control Systems



The vertical machining centre will be equipped with a Renishaw OMO 60 spindle probe, a TRS1 non-contact broken tool detection system and a table mounted NC4 non-contact laser tool setter. This will be integrated with GibbsCAM, Renishaw's Productivity+™ graphically driven package, enabling GS Productivity Solutions to develop the machining and probing cycles. Seiki Systems will then capture the data from this process to enable program control and records to be established, data logging, analysis and full report generation. All data will be redistributed between the three partner companies in an easy to understand single screen display

This is your best opportunity yet to see how this integration of technologies can produce results that can help you to successfully manage and optimise your manufacturing.

Seiki Systems Ltd- Stand 5566 GS Productivity Solutions Ltd- Stand 5667 Renishaw - Stand 5572

DPRNT—making a statement

Many machine tool controllers have the ability to output text strings via their RS232 ports using a facility commonly known as DPRINT. If statements are contained within an NC Program, the statement is output from the machine when that line of code is executed. Through our partnership with Renishaw, who generate DPRNT statements containing dimensional data about parts being probed on a machine, we have been able to assist them in saving these probe data text strings electronically. This can be in the form of a flat text file, in HTML format so that it can be viewed within Internet Explorer or even sent directly into a database. When linked to Seiki Systems Job Start/Stop facility the dimensional data of

individual components can be saved and if required SPC reporting can take place. Further to this, by combining Renishaw's expertise with DPRNT we have been able to add additional statements within standard machine programs that are strategically located to allow monitoring information to be sent out. Then via our software we can create a much more accurate picture of the individual activities taking place on the machine. For example, we are able to ascertain when individual tools are loaded (or unloaded) in the spindle, indicating the cutting time of the tool. This data can then be collected to calculate a total tool life. Another important benefit of this facility is the ability to make improved OEE calculations.

Please send me information on: (tick all that apply)

- > MACH 2006
- > Renishaw/GSPS Collaboration
- > DPRNT—making a statement
- > New look website
- > Other _____ (please specify)

Name _____
 Company _____
 Address _____

 Postcode _____
 Email _____

(Please address your request to Jamie Whalley)