

AccuTrack

REMOTE PRODUCTION MONITORING SYSTEM

The proliferation of the Internet around the world has given us a connectivity, which has cut through towns, countries, and continents and shrunk vast distances to almost nothing. Huge amounts of information in form of documents, pictures, images can be sent from one corner of the globe to another in time, which is comparable to blinking of an eyelid. But this extraordinary technological revolution is

silently moving into a new phase where millions of machines and devices in the home and factory floor will work invisibly, collaborating with each other and with people across geographical boundaries of the world. In a fully globalise economy, businesses, factories, and production machines can be run remotely from any corner of the world by making use of Internet based tools.



For a relatively small investment these tools will provide high levels of efficiency coupled with better service for the end customer. In a competitive world, a proper deployment of such tools will hence become essential. Shima Seiki of Japan, one of the biggest manufacturers of flat bed knitting machines has already recognised this opportunity. *AccuTrack Automation*, a UK based company in collaboration with Shima has developed data monitoring software which allows the status of any machine on the shop floor to be monitored and

continuous management data provided. The main features are:

- General pictorial view and status of the whole factory floor or floors
- Detailed status of any machine chosen at a click
- Production data and fault analysis of any chosen machine

In addition similar software/hardware is also available for circular knitting machines.

AccuTrack

AccuTrack has developed a further product - a Web based data monitor, which allows any live production or factory management data to be accessed and read via the Internet. This facility to examine the status of any machine or factory from any part of the world forms an extremely powerful tool for the management of any business. The current version of this tool is customised for Shima knitting machines. However, businesses where machine performance is critical such as vending machine manufacturers, refrigeration work, food storage, hotels and surveillance systems etc, could immediately benefit from this technology.

AccuTrack System Overview:

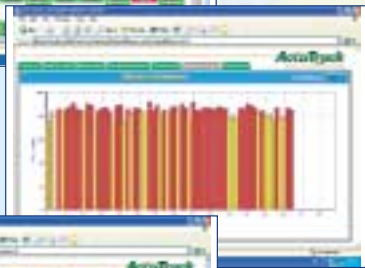
The AccuTrack Production Monitoring System uses a variety of screens utilising the latest software technology to keep users up-to-date with the progress of all machines:



Factory Floor Plan:

The Factory Floor Plan screen is a visual representation of all machines in the factory. A machine's current status is colour-coded, e.g. Running (Green), Stopped (Red) or Disabled (Black). More information about a machine can be obtained by 'clicking' on it.

Machines can be easily added to the system or deleted from the system.



All Machine Status:

The All Machine Status screen enables users to see the Total Revolutions of each machine, indicating machine productivity. Users can scroll up or down, or zoom in to analyse a region.

'Clicking' on a bar will display the Individual Machine Status of that machine.



Machine Status:

To ensure a particular machine is running as efficiently as possible, its individual record can be seen in full on the Machine Status screen. Data monitored includes Run Time, Stop Time, RPM, Total Revolutions, Efficiency, RPM History and Sensor History.



Detail All Machine Status:

The records of all machines can be viewed at a glance on the Detail All Machine Status screen. All machines can be RESET at the start of a shift, and their Status (Running or stopped), RPM, Total Revolutions and Efficiency can be displayed on a single screen.

Records of machines are automatically updated, even when you are away from the factory and Management Reports can be printed automatically or on demand.



All Machine efficiency

The All Machine Efficiency screen displays the Efficiencies of all machines. The performance of machine's can be viewed continuously for any given shift, e.g. if a machines efficiency falls below a certain level, you will be instantly notified.



Plant Efficiency

The Efficiency of the entire factory can be monitored on the Plant Efficiency screen. The pie chart displays the total Efficiencies of all machines in the factory.

AccuTrack Automation specialises in solving industrial problems by providing solutions through hardware and software development under one roof. Electronic interface, software and networking problems can be tackled to provide complete solutions.

AccuTrack Automation Ltd, 44 Overton Road, Leicester, LE5 OJA, England

Tel: 0116 2215545 ● Fax: 0116 2215546

Email: sales@accutrack.co.uk ● Website: www.accutrack.co.uk