



Press Release

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PRIAMUS Monitor now for Rotary Table Applications

PRIAMUS Monitor is a widely spread and easy to use data acquisition system for the intelligent monitoring and control of the injection molding process. Up to 16 cavity pressures, cavity temperatures and machine signals per machine are acquired and via Ethernet interface with high frequency transmitted either to a laptop or to an industrial PC. With a maximum cycle time of 25 days the system is practically unlimited and can also be used for quasi static processes such as compression processes for example. Additional plug-in cards like A/D-boards are not necessary anymore.

What the system makes different are the versatile options for process monitoring and process control.

Unique and patented for example is the option for automatic switchover to holding pressure with the help of cavity temperature sensors which compensates for viscosity variations during manufacturing. Additional options are used for automatic opening and closing of valve gates in sequential molding depending on the melt front position.

Bad parts are detected within 500 Microseconds – which is real time – and rejected depending on adjustable logic setups. Besides the classical reject gates the system additionally provides separate output signals for good parts and for bad parts for further processing.

As a new function the system provides monitoring options for rotary table molds by which all measuring signals can be assigned to different groups. The monitoring of the single mold halves is controlled by digital input signals. The sensors for process monitoring can be installed either in both mold halves or in one mold half only. This way only those sensors are being monitored which are actually involved in the molding process for example at 2-component processes or at the molding around inserts.

The PRIAMUS Monitor system can be used mobile or fix installed whereas the control and alarm signals are connected to the machine by an interface concept. With PRIAMUS Shop Floor Control the system can be networked throughout the plant so that all monitoring data are saved on a central server and displayed on a hall monitor.

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