



Press release

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BlueLine – the New Modular Platform for the Injection Molding Process

The increasing digitalization in measuring technology has arrived in the world of monitoring and control in the injection molding process. The advantages opposite to analog technology are obvious. For the transmission of measuring and control signals only one single digital hybrid bus cable is required which results in a simple, cost-efficient and modular interface concept. For the user this means that he can assemble his desired system himself – if necessary for many hundred measuring channels.

On the one hand this so called Scale-Up concept stands for a significant cost reduction of the hardware such as amplifier modules and machine interfaces, while at the same time all monitoring and control tasks build up on one single software platform. The amplifier and interface modules are clicked onto each other as required and without any additional cable connection.

The actual monitoring and control tasks are handled by the BlueLine Core which is available with or without a touch screen depending on the application. The modern concept impresses first of all through its small design and the fact that its components can be placed individually.

The professional systems provide a start-up procedure, standardized procedures for the determination of warn and action control limits as well as an event log protocol. In the same way the digital switching signals are analyzed via auto-diagnosis and their status is being displayed. For the first time and with the help of special algorithms the acquired measuring data are compressed without loss which results in a data reduction by the factor 5.

BlueLine stands for most modern digital hybrid bus technology and is the basis for all future monitoring and control tasks in injection molding. All BlueLine software components such as PRIAMUS Fill for instance are downward compatible and can be used with existing electronics devices.

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