



Newsletter October 2010

PRIAMUS News at the K-Show 2010!

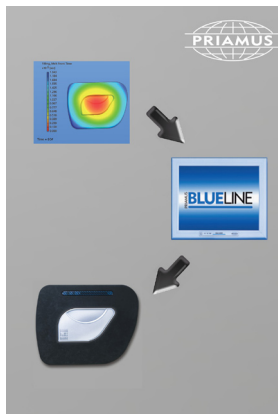
PRIAMUS BlueLine: the New modular platform for the injection molding process



BlueLine is a modular platform for the monitoring and control in injection molding. The entire system consists of a central control unit, the BlueLine Core, as well as flexibly expandable amplifier units and machine interfaces which depending on the application are simply clicked together. They are connected with the BlueLine core by a single digital Hybrid Bus cable. Through this simple and cost effective method expensive analog circuits are eliminated and replaced by a digital real-time Hybrid Bus system.

All monitoring and control tasks are organized by one BlueLine software platform which includes among others a start-up procedure, standardized warning and action limits, as well as an event log. The digital switching signals e.g. for the good and bad part separation are analyzed by a self diagnosis method and their status is displayed accordingly.

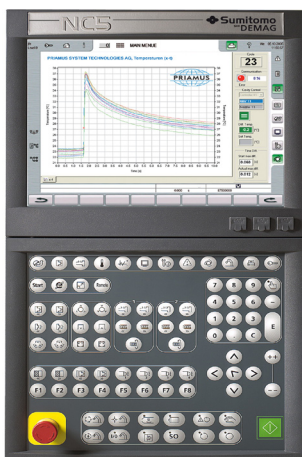
All BlueLine software components – such as BlueLine Fill for instance – are downward compatible and can be used with the electronics devices eDAQ™ and Pass Controller as well as the according interfaces.



PRIAMUS introduces the new BlueLine software concept which is used not only to monitor but to specifically control the most important parameters – such as shear stress and shear rate, but also maximum pressures - directly inside the cavity.

The target values can be directly imported from an optimized finite element simulation such as Moldex3D or entered manually into the system. In addition it is possible to save a “manually” optimized process as a reference in order to calculate the required parameters for the control algorithms. Depending on these parameters the settings of the molding machine are automatically controlled and adapted cycle by cycle via the host computer interface.

PRIAMUS and Sumitomo Demag: Fully integrated hotrunner balancing

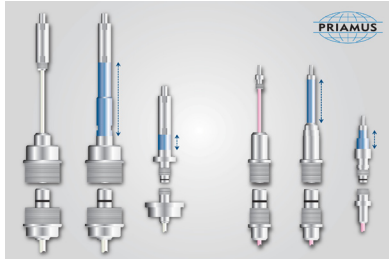


The PRIAMUS Fill system is now also available as fully integrated version in the control system of Sumitomo Demag molding machines.

This offers first of all the advantage that in case of machine integrated hotrunner systems no external equipment is necessary which minimizes the space requirements in production. Furthermore this results in lower system cost because a second screen is not required. In case of the fully integrated version the PRIAMUS Fill system is operated via the screen of the Sumitomo Demag control system.



PRIAMUS Quick Disconnects and Compact Sensors – an idea develops!



PRIAMUS saw as the first supplier in the market the sign of the times and provided automatically changeable quick disconnect systems for cavity pressure and cavity temperature sensors. Since then the quick disconnects were primarily used for multi cavity molds in order to exchange mold inserts e.g. for cleaning purpose without removing the installed sensors.

This idea has now been further developed in the form of so called Compact Sensors for the pressure and temperature measurement in injection molds. Instead of connecting the sensors with the quick disconnect in the mold insert by a connecting cable, the Compact Sensor is tightly connected via a distance sleeve. This way an extremely compact and very easy manageable solution is generated which is available in different dimensions depending on the application. The length of the Compact Sensors is variable and can be specified with the order.

PRIAMUS Pass Controller with free of charge Monitor software!



The PRIAMUS Pass Controller is the ideal device when it comes to the point that more than just a maximum cavity pressure must be monitored under production conditions. The 8-channel unit is generally equipped with a LCD touch screen and shows in several displays in which condition the process actually is. If the process conditions change – and therefore the part quality – there will be alarm signals generated in order to separate the bad parts.

For everybody who wants to take a further step, e.g. to calculate process capabilities and save measuring data, can do this by a simple Ethernet cable with the help of the PRIAMUS Monitor software on any PC or laptop.

This professional data acquisition software is now included with every order of a Pass Controller free of charge for a limited time frame until the end of February 2011.

This is a golden opportunity – not only for the production floor, but also for laboratories, R&D facilities and universities.

Now NEW: All 3D-Data also in Parasolid-format *.x_t available!



PRIAMUS at K'2010
October 27 - November 03 in Düsseldorf, Hall 10, Booth B04

We are looking forward to seeing you!