



Press Release

Schaffhausen, 20 June 2007

PRIAMUS System Technology for Injection Molding

PRIAMUS cavity pressure and cavity temperature sensors build the basis for the monitoring as well as the open and the closed loop control of the injection molding process.

Due to the increasing demand for open and closed loop applications the number of sensors used in an injection mold is increasing too. The connection technology which must be used is getting more and more complex.

In order to provide this connection technology as simple and inexpensive as possible PRIAMUS has developed a universal system concept which allows to interface cavity pressure signals as well as cavity temperature and machine signals together via multi pin connector with the attached electronics.

The multi pin connectors on the mold side can be assembled by the user and interfaced with the electronics by 4-channel or 8-channel cables. In case of cavity pressure also the sensor sensitivities which are saved inside of the sensors can be transmitted. This way up to 128 analog signals can be easily acquired and processed for process monitoring and control purposes.

The multi pin connectors for cavity pressure and cavity temperature in the mold can be interfaced with the approved and patented quick disconnects which allow the fast and uncomplicated exchange of mold inserts. This approach combines highest flexibility on the sensor side with the simplest handling on the connecting side.

The data acquisition unit eDAQ™ for real time monitoring and control of the injection molding process can alternatively be operated with single measuring channels. A differentiation between multi channel or single channel applications is therefore not necessary. All applications like the automatic switchover to holding pressure, the automatic control of valve gates or the automatic balancing of hotrunner systems are still available independent of the connecting technology.

PRIAMUS SYSTEM TECHNOLOGIES AG
Bahnhofstrasse 36
CH-8201 Schaffhausen / Switzerland
www.priamus.com

Heidi Hug, +41 52 632 2605