

Priamus breaks new ground with the Pass Controller



Many injection molds are very often not used where they have been set up. The same machine settings however do not necessarily mean that the manufactured parts are identical.

These difficulties are well known by every factory which is running molds on different machines.

This applies also for mold makers and companies with different production locations. The Pass Controller assures that the production is done in the same way as the mold set up. It can be used stationary or mobile.

The Pass Controller monitors and controls the injection molding production. "Characteristic numbers" of the molded part associated, for example, with maximum cavity pressure or cavity temperature are being saved as definite identifying feature. For the first time also the viscosity of the melt is determined cycle by cycle (online), and monitored in between limits. The machine settings must finally be varied until the process matches with the one during set up which is highlighted by a green LED. The automatic switchover option simplifies the finding of this original state significantly.

The compact device provides a remarkable and consequently easy handling and operation which can be adjusted by few inputs via a touch screen display. For this purpose a free configurable bar chart, a classical display of the measuring curves, as well as a display of the economic efficiency of the actual production is available. This includes production efficiency, detected downtime, as well as good and bad part statistics.

Additional features are a SD memory card for easy data storage, a cycle counter for the monitoring of mold service intervals, as well as an integrated magnetic feature for easy mounting. The multi-pin interfaces for the device are completely waterproof.



Cooperation with Gammaflux



The PRIAMUS Fill & Cool system has already proven itself since many years around the globe and numerous well-known customers have testified its benefit in an economic point of view.

Besides the original function of simple balancing of multi cavity hotrunner molds the applications today go far beyond this purpose. The melt flow in large surface molded parts such as car bumpers for example can just as well be controlled and kept constant as in sequential molding or liquid silicon rubber applications (LSR).

The basis of this process is the measurement of the cavity temperature directly on the surface of the mold. This is also the requirement for the control of the cooling circuits in the mold. First of all in order to achieve equal temperature conditions over the whole cross section of the molded part, and finally in order to achieve equal conditions for the shrinkage of the part.

The technical advantages of the system such as the automatic fill time optimization or the automatic adjustment of viscosity variations result in high precision and repeatable part dimensions and in consistent and repeatable part weights.



With Gammaflux one of the well-known manufacturers of hotrunner controllers has decided to integrate the benefit of this technology into its TTC hotrunner controller family.

Picture: The CEO's of Gammaflux, Wiesbaden, René A. Bertschi (right) and Christopherus Bader, Priamus, Schaffhausen.

The advantages for the user are obvious.

By integrating the PRIAMUS Fill & Cool system into the Gammaflux TTC Hotrunner Controller only one platform is needed for both systems. This saves considerably space in production and simplifies the operation for the user essentially. At the same time the integrated system is significantly less expensive than the single systems because only one platform – that is computer, screen etc. – must be used.

For PRIAMUS and Gammaflux this means a far-ranging partnership, for all users it means the highest possible economic benefit for all hotrunner applications.

New: All Priamus systems in Chinese available

Priamus offers now all its systems (Priamus Fill & Cool, Priamus Monitor, Pass Controller) also in Chinese.

PRIAMUS SYSTEM TECHNOLOGIES AG

Bahnhofstrasse 36
CH-8201 Schaffhausen / Schweiz

Tel. +41(0)52 632 2626

Fax +41(0)52 632 2627

www.priamus.com