



## Press release

Schaffhausen, October 2010

### **PRIAMUS and Sumitomo Demag: Fully integrated hotrunner balancing**

Since almost 10 years the PRIAMUS Fill system is used to balance and control the melt flow in injection molding. This is done either by automatically adapting the hotrunner nozzle temperatures or by the automatic opening and closing of valve gates. In any case the system detects when the melt reaches the cavity pressure or cavity temperature sensor and reacts accordingly. If process or material fluctuations will cause fill time variations in one or several cavities the flow conditions are automatically adapted until the flow is balanced or a reference value is achieved. In this way the PRIAMUS Fill control system does not only monitor the process and separate bad parts, but it makes sure that only good parts are produced and shipped to the customer.

Fully automatic analysis functions allow in addition to check and document the single hotrunner nozzles during the heating and cooling process. Non working or malfunctioning nozzles are detected immediately and clearly.

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.

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