



Press release

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PRIAMUS Fill with automatic hotrunner analysis

Practice has shown that each nozzle in a hotrunner system reacts differently. A set temperature in a hotrunner nozzle does not imply that the temperature is effectively achieved. This depends on several criteria, e.g. from the mounting of the thermo elements in the hotrunner to the performance of the hotrunner nozzles itself. This explains also why the control behavior can be different after service respectively after disassembly and assembly of a hotrunner mold.

A hotrunner control alone is not able to detect the sensitivity of the individual nozzles because a closed loop control is lacking. For that reason an analysis tool that determines automatically the sensitivity of each nozzle has been added to the Priamus Fill hotrunner control system. Cavity temperature sensors placed in the cavity check how the flow behavior of the melt changes when the individual nozzle temperatures have been increased respectively decreased by a certain value. The result of this analysis shows at a glance to what extent the individual nozzles sensitivities differ and allows a conclusion of the limits of the particular hotrunner. The automatic hotrunner analysis is a valuable supplement to the Priamus Fill hotrunner balancing and a most useful tool for production

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