



Press Release

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Integrated PRIAMUS Fill & Cool in ENGEL Machines

Since many years PRIAMUS Fill & Cool is used all over the world to balance hotrunner systems and to control part shrinkage. Many well-known customers appreciate the economic benefit which leads back to the fact that due to control bad parts are not only monitored but avoided.

Should bad parts be produced anyway the system will detect them even in single cavities – guaranteed and safe. However, the applications of the system today go far beyond the simple balancing of multi cavity hotrunner molds. The melt flow in large area parts for example can be systematically controlled in order to move weld lines to different positions or to avoid them at all.

Cavity temperature sensors which are used for melt flow control are simultaneously used for the control of the cooling circuits. Only a uniform distribution of the temperature over the surface of the mold cavities guarantees a uniform shrinkage of the molded parts. The current upgrade of PRIAMUS Fill & Cool calculates the deviation of each cooling circuit and shows the set values of the temperature controllers on the screen. Thus the single temperature zones can be controlled manually without interface to the temperature controller.

PRIAMUS Fill & Cool provides numerous interfaces for the communication with the worldwide most common hotrunner controllers. Besides Gammaflux and Toshiba Machine fully integrated systems are now also available with ENGEL injection molding machines. The user benefits in multiple respects.

While the system is displayed on the screen of the ENGEL machine it does not require any additional screen. This is not only space saving but it simplifies the operation by the user. At the same time the system is less expensive, because no additional hardware is required. For the user the integrated solution provides the highest possible benefit for all hotrunner applications.

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