



Press release

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Contactless temperature measuring – PRIAMUS breaks new ground with PRISOLARIS

PRIAMUS cavity temperature sensors are well proven for the automatic control of the injection molding process and for their efficiency in quality insurance.

PRIAMUS goes now a step forward by offering the new PRISOLARIS temperature sensors. These sensors control the injection molding process without touching the injection molding part. The sensor is being mounted under the surface and offers thus a number of new possibilities and applications. Hotrunner applications, where a sensor mark is not acceptable (for example on optical or cosmetic parts) can now be balanced with the PRIAMUS Fill system.

In the past, process dependent switchover processes such as switchover to holding pressure or sequential molding were accomplished by a cavity pressure switching level. But an optimal process control was not possible because the melt position in the cavity was not known and thus was subject to process related deviations. With the automatic switchover process of PRIAMUS, the position of the melt front at switchover is always known. PRISOLARIS sensors detect the melt front without contacting the part.

PRISOLARIS sensors avoid flashing, they experience no abrasion and there is no front machining necessary, which is also interesting in terms of economic aspects. In addition, there is no leakage and the sensors are easily to use.

PRISOLARIS is suitable for many control applications where due to quality requirements only a contactless measuring is possible.

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