



Press Release

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PRIASAFE™: The sensor for simple and safe process monitoring

Cavity pressure is used since many years for reliable quality monitoring in injection molding. The Achilles heel however of cavity pressure measuring technology is the so called force shunt which is generated when the sensitive sensor tip touches the mounting bore. The result is a sensitivity loss which generates faulty measuring signals. The calibrated sensor sensitivity does not correspond to the real signal anymore.

A cavity pressure sensor however should be sensitive and robust. The new PRIASAFE™ technology (patent pending) meets both of these requirements.

First of all PRIASAFE™ sensors are mounted into a housing and then calibrated once they are installed. This procedure has a major advantage: the sensitivity does not change after the sensor has been installed into the mold because it is "protected" by the housing.

Because the bore tolerances are precisely manufactured by PRIAMUS and also the mounting into the housing is made by the manufacturer a force shunt (contact of the sensor and the bore of the housing) is in this phase not possible. Even if the sensor touches the bore this would be taken into account by the subsequent calibration.

In a second step the determined sensitivity will be saved inside the sensor by a hardware code. With the help of this hardware code the sensor sensitivity can then be automatically detected without being influenced by the sensor installation.

The sensor is therefore easy to use, safe and most suitable for industrial production.

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