



Press Release

Schaffhausen, 8 March 2005

The new way of measuring forces!

With the new force sensor type 6411A PRIAMUS has succeeded once again in improving a well tried technology.

Unlike strain gauge sensors piezoelectric force sensors are due to their physical properties especially suited for precise and dynamic force measurement. In injection molding they are often used for indirect cavity pressure measurement behind an ejector pin, when direct measuring cavity pressure sensors for example cannot be installed due to their size.

Dimensions are therefore also problematic for force sensors and should be kept as small as possible. Furthermore the connecting cable of the sensor must be separable in order to be replaced easily in case of cable damage – which happens very often in practise. The sensor itself can therefore still be used even if the cable was damaged.

Another aspect is the maximum temperature range to which the sensor is permanently exposed. While comparable sensors are usually limited to 120 °C (250 °F) this new force sensor can be operated permanently at temperatures up to 200 °C (390 °F). These however are common mold temperatures as they can be found in many injection molding applications.

As the first sensor of its kind the new PRIAMUS force sensor type 6411A combines all these advantages together.

The applications are not limited to injection molding only, but can be found everywhere where there is a demand for industrial force measurement under economical conditions.

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