



## Press Release

Schaffhausen, 8 October 2002

### Give me five: Cavity pressure sensor with double sensitivity!

PRIAMUS SYSTEM TECHNOLOGIES offers a new cavity pressure sensor with several unique characteristics. With only a front diameter of 2.5 mm, the sensor is compatible to conventional versions but compared to these, its sensitivity is more than double. With **-5 pC/bar** ("picoCoulomb/bar") this sensor excels by far the known miniature sensors: even very small mold parts can be monitored, documented and controlled with a high signal quality and without deterioration over the whole pressure range – and therefore also with little pressure. This is by the way a technology which has nothing to do with the often recalled plate quartz technology where a sensitivity of at most half of previous sensitivities is achieved, but not a double sensitivity.

The new miniature sensor type 6003B offers a lot more. Even though the sensor demands a great deal of precision mechanics - because of its dimension - a hardware code has been integrated which detects the type of sensor and its sensitivity. With the help of the so called PRIASED™ system (which stands for PRIAMUS Sensitivity Detection) the sensitivity of the connected amplifier is automatically detected and also the right measuring range is automatically set up. This means in practice that no more setups on the machine are necessary; the word "sensitivity" will vanish from production usage. Briefly: plug and measure!

With this new miniature sensor a further important step in line of automation, miniaturization and simplification of quality control has been achieved.

PRIAMUS SYSTEM TECHNOLOGIES AG  
Bahnhofstrasse 36  
CH-8201 Schaffhausen / Switzerland  
[www.priamus.com](http://www.priamus.com)

Christopherus Bader, +41 52 632 2600