



## Press Release

Schaffhausen, 15 September 2004

### **eDAQ™ – the PRIAMUS Control Center**

Real process monitoring in injection molding must be universal, easy to use, machine independent and therefore mainly one thing: cost-efficient

The eDAQ™ combines all these special features in one unit.

Up to 64 cavity pressure, cavity temperature and machine signals are monitored by this device in real-time. The measuring signals can be transferred on demand to any PC by a standard Ethernet interface. Additional accessories such as A/D-boards are not necessary anymore.

The unit provides numerous monitoring functions which can be combined with each other. It is possible for example to monitor pressure and temperature signals of one molded part by different monitoring functions at the same time.

For easy use in production the monitoring limits are automatically adjusted with the help of a so called "Master Plug". Additional settings can be done by a password protected web browser which gets downloaded as soon as a PC is connected.

Various digital output signals allow the real time control of valves, e.g. for gas pressure applications, for liquid silicone molding or for the venting of cavities.

In addition the unit provides switching signals for process dependent control of sequential molding applications, as they are used e.g. for car bumpers, side panels or other parts with large dimensions.

Switchover to holding pressure occurs either at a programmable switching level of one of the 16 channels of the basic unit or automatically at volumetric filling of the cavity.

For easy use of the unit all PRIAMUS cavity pressure sensors and their sensitivity are detected automatically in order to auto-adjust the optimum measuring ranges by itself. The cables and connectors of the device are provided with a color code in order to simplify the interfacing of different signals.

The eDAQ™ is basically machine independent and therefore a cost-effective and real process monitoring and control unit (even for a high number of channels), without causing expensive retrofitting cost of the machine.

For additional visualizing and saving of the measuring data the base package "MoMo" is available. Consisting of the eDAQ™ and the PRIAMUS "Molding Monitor" software which can be operated by any PC or Laptop "MoMo" is an extremely compact and cost effective solution for optimizing, monitoring and control - not only for the injection molding process.

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