

NEW PROCESS DATA CAPTURE SYSTEM FOR POLYURETHANE PROCESSING

Easy to operate and completely reliable

Munich, January 15, 2009 – User-friendly and highly reliable, the PUC08 is KraussMaffei's new process data capture system for polyurethane processing. Extreme ease of use is one key feature of the PUC08. The lucid and intuitively understandable operator interface reduces training effort and ensures fast analysis of any faults and errors. Graphic displays for each unit in the PUR system are clear and easy to understand, with both wetside and dryside components visualized. The PUC08 provides a complete overview of the current operating status of the whole system, from the mixing and metering machine to the mixing heads, the moulds and the mould carriers.

The PUC08 has a 15-inch touch screen and the operator console also includes function keys, a number pad, cursor keys and freely configurable, system-specific, keys. Depending on their personal preference and on the task at hand, operators can choose to operate the machine either via the touch screen or via the function keys.

Frequently required data can be permanently displayed on the right of the screen. Data is assigned to this permanent display by simply pressing a button, similarly to storing stations on a car radio.

The PUC08 can display measured values in large characters, legible from a distance. This function is especially valuable during set-up, because it allows the operator to move freely around the system, making adjustments as required, while closely monitoring the changing data.

All process-relevant data are stored in an SQL database. Data can be transferred to a host database via an Ethernet connection.

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January 15, 2009
Page 1 of 3



The PUC08: KraussMaffei's new process data capture system for polyurethane processing

Stable conditions and reliable operation

Another outstanding feature of the PUC08 is extreme reliability. Windows XP Embedded is installed on a flash card as operating system; because no hard disk is used, there is no risk of data loss in the event of a power failure.

The IPC for process data capture is located in the switching cabinet and connected to the operator console via an SDL link. This obviates the need for cooling the operator console. Instead, the IPC cooling is built into the switching cabinet. The operator console can be positioned up to 40 metres away from the switching cabinet.

To boost reliability and system availability, all production data are stored in a PLC system. PLC and PUC08 communicate via an industrial Ethernet. Once the data have been transferred, the system will continue production even if a fault occurs in the PUC08. In this case, production protocols are stored temporarily in the PLC. Once the PUC08 again becomes available, the data are transferred again to the PUC08.

Photo

Photo PUC08.jpg: The PUC08: KraussMaffei's new process data capture system for polyurethane processing

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Page 2 of 3

KraussMaffei company profile

In terms of sales, KraussMaffei is world market leader in machines and systems for plastics and rubber processing. With its three divisions – Injection Moulding Technology, Extrusion Technology and Reaction Process Machinery – KraussMaffei is a premium partner for the plastics and rubber processing industries worldwide.

In the 2007/2008 business year (year ending September 30), the KraussMaffei Group posted sales of more than 1 billion euros. The group markets its products under the KraussMaffei, KraussMaffei Berstorff and Netstal brands. The KraussMaffei brand covers the whole spectrum of injection and reaction moulding technology, while the KraussMaffei Berstorff brand stands for successful extrusion solutions. The injection moulding machines of Netstal, our Swiss subsidiary, meet the highest of requirements imposed on process implementation, parts quality and production performance and are mainly used to make highly sophisticated technical and thin-walled plastic parts.

With over 100 years' of expertise and know-how in machinery for plastics and rubber processing, KraussMaffei is today a major technology and process partner for industry. The group offers a wide range of solutions that includes specialized and fully integrated turnkey systems. Headquartered in Munich, the company employs around 4000 people worldwide. Worldwide KraussMaffei operates a network of 140 subsidiaries and sales agencies, and deploys over 570 service technicians, ensuring fast response and closeness to customers everywhere.

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January 15, 2009
Page 3 of 3