

Press Release

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Quality of Things™

The intelligent IoT Concept

The industrial networking of production data will only make sense if there is a clear benefit behind it. For PRIAMUS the “Internet of Things” is therefore much more than only transporting data.

What counts in the end is the quality of the produced parts which needs to be monitored via the internet as convenient, manageable and as simple as possible. The concept is therefore to filter the right data first in order to provide quality data to the user.

All PRIAMUS systems which are used in the injection molding process together with a molding machine are prepared for the networking of production data via OPC-UA interfaces. Quality data from the process as well as setting data of all peripheral devices are provided by the PRIAMUS systems via OPC-UA in order to be stored either on a local or cloud server. From there this data can be retrieved with the help of the PRIAMUS IoT Quality Indicator via internet and finally displayed on terminal devices (smart phones, tablet computers or notebooks).

The IoT Indicator allows users to conveniently select individual sites or production lines in order to display their efficiency by means of OEE key figures. As these values are determined directly from the process by means of mold sensors which correlate with the part quality, the cause for low efficiency values can therefore automatically be detected and displayed.

Definitive indications of a failure's cause are identified along with identifying which process phase (injecting, holding pressure, cooling) the most frequent failures have actually happened.

The IoT indicator is therefore the ideal tool across all hierarchical levels and provides an overview of the actual status of a production.

PRIAMUS SYSTEM TECHNOLOGIES
branch of Barnes Group Suisse Industries GmbH
Rheinweg 4
CH-8200 Schaffhausen / Schweiz
www.priamus.com

Kontakt:
Sarah Scherlies, +41 (0)52 632 2605

PRIAMUS SYSTEM TECHNOLOGIES GmbH
Postweg 13
DE-73084 Salach
www.priamus.com

Kontakt:
Erwin König, +49 7162 930 60 482

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