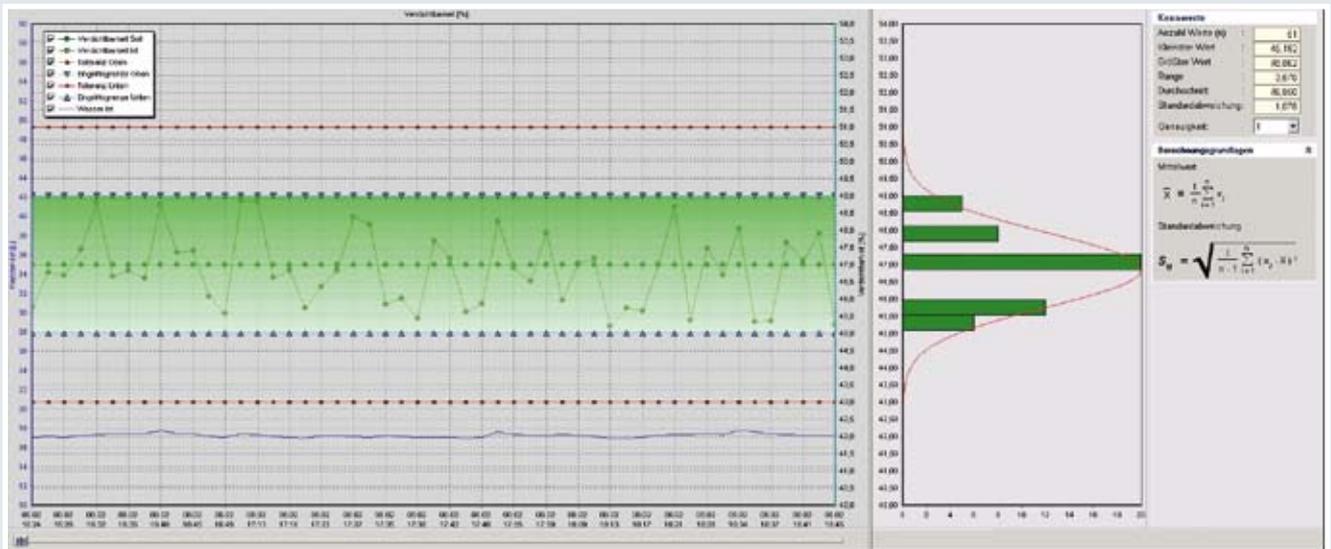


Statistical process control

DView_Analyse



The task: High data volume requires effective tools to quickly inspect and evaluate the data. This inspection is required in the online process as well as subsequently for randomly selected periods.

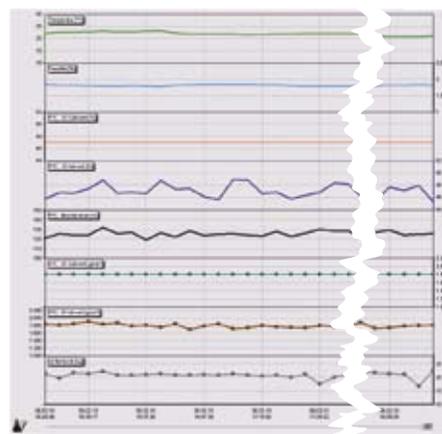
Approach:

The data created from the operating data and machine data capture (German abbreviations: BDE, MDE) are archived in a SQL server with network connections. A multi-user programme system allows access to any PC. The data streams are evaluated with methods of statistical process control.

Solution:

A graphical representation for each data channel with a trend diagram is an important tool. To recognize the influencing effects, parallel inspection of multiple channels is necessary. A multi-coordinate system for parallel multiple channel representation (8 channels selectable) with synchronous online updating creates a simple, quick overview of complex events.

Machine data capture



A control chart helps with the quality evaluation of the process. The normal distribution with the calculated parameters in the selected periods per channel reveals the quality status and the regulatory compliance.

Advantages:

1. Quickly operational system, that works independently
2. No laborious arranging of evaluation diagrams
3. Instantaneous view of current data location from any PC connected to the same network
4. Free selection of any data channel for near-realtime observation

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