



Project B3 Data Mining on Sensor Data of Automated Processes

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Current situation

Large quality control loops due to end-of-line quality inspection

- High resource consumption
- Offline analysis

Goal: Continuous quality control and process adaptation



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- Control interventions only possible with timely delay

Need for continuous monitoring and process control interventions

- Saving of time, energy and money



Realisation



Disturbances

(non-manipulated Inputs)





[Wiegand, Stolpe, Deuse, Morik, AT 2016]

Werkstoff 55 Schuppe Sollwey





Assignment of intermediate products to customer orders based on quality predictions

[Schmitt, Wiegand, Deuse, ZWF 2018] [Schmitt, Hahn, Deuse, TecRep 2018]





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