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The changing role of shop-floor operators in zero defect manufacturing

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Abstract

In the journey towards zero defect manufacturing, digital technologies aiming to improve different aspects of production and quality control will be of high importance. This will not replace existing management approaches such as lean manufacturing, including continuous improvement at the shop-floor level. A single case study is performed, where we have examined various aspects that influence a successful continuous improvement for reducing scrap parts and prevent further propagation in interaction with new zero-defect solutions. The aim is to identify the changing roles of the shop-floor operators and we highlight that they still will remain a key part of the system.

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