



Does Ergonomics Improve Product Quality and Reduce Costs? A Review Article

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Résumé en anglais	Competition is an ongoing challenge confronting industrial corporations, particularly automobile manufacturing. Striving to improve product quality and productivity, automotive industries have used different quality management approaches, such as reduced variability, total quality management, and lean management, over recent years. Furthermore, incorporating proactive ergonomics such as physical and organizational ergonomics and psychosocial factors into the structure of a company is considered to be a support for productivity and quality. Several studies have shown the effects of ergonomics on better quality. Application of both quality management approaches and ergonomics in an integrated manner in the manufacturing production system is emphasized because they are similar concepts with the same objectives, that is, to improve efficiency. In this study, a comprehensive review was undertaken and 25 studies were reviewed in order to define how integration of an ergonomic approach in the manufacturing production system can reduce defects and improve quality in the production process.
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- [1] <http://okina.univ-angers.fr/mzareem/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=9687](http://okina.univ-angers.fr/publications?f[author]=9687)
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- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=18164](http://okina.univ-angers.fr/publications?f[keyword]=18164)
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