

IMPROVEMENT OF PRODUCT QUALITY BASED ON TAGUCHI METHOD

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Abstract: Quality has emerged as one of the major competitive issues of the 1990s. As the competitive pressure in today's global markets increases, the need for quality improvement is painfully evident to most company. Taguchi methods have proved to be successful over the last years or so for the improvement of product quality and process performance. This method combines the engineering techniques with statistical techniques in order to improve the quality costs through optimization of the design of the product and of the manufacturing process. This paper presents the role of Taguchi methods in continuous improvement of quality products.

Key words: parameter optimization, quality improvement, planning of experiments, Taguchi methods