

## Meaning of Quality Inspection and Control Methods during Manufacturing Process of Metal Sheet Stampings

Stanisław Borkowski, Krzysztof Knop, Paweł Szklarzyk

Institute of Production Engineering, Czestochowa University of Technology, Armii Krajowej 19B, 42-200 Czestochowa, Poland. E-mail: bork@zim.pcz.pl; kknop@poczta.fm; szklarzyk.pawel@o2.pl

The paper presents the characteristics of a metal product called ‘Back Cover’ and its manufacturing process. The characteristic of quality inspection methods and control devices during manufacturing process of analysed product was conducted. An analysis of production and quality problems during manufacturing of the analysed product using qualitative and quantitative tools such as Ishikawa diagram and Pareto-Lorenz diagram were presented. Ishikawa diagram was used to identify areas that generate quality problems and Pareto-Lorenz diagram was used to quantify the quality problems and to distinguish the critical nonconformities. It was presented differences between visual control and visual inspection. BOST research was used to determine the validity of the use of visual control in the analysed company against the remaining factors of the manufacturing process. Created a series of validity of manufacturing process to capture the relationship between the place of the individual factors of the manufacturing process. The use of visual control turned out not to be the most important factor in the manufacturing process, according to the examined company the most important is the use of only reliable technology.

**Keyword:** manufacturing process, ‘Back Cover’ part, quality inspection methods, visual control, BOST method

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