

OPTIMIZATION OF THE QUALITY  
CONTROL PROCEDURES IN A CANS  
MANUFACTURING INDUSTRY

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**OPTIMIZATION OF THE QUALITY CONTROL PROCEDURES IN A CANS  
MANUFACTURING INDUSTRY**

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To my parents for providing all the support and keeping me in the right track.

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### **ABSTRACT:**

The main objective of this project was to study the Quality Management System of a Can Manufacturing Industry and implement Quality Control procedures.

The company chosen was TOTAL PACK which is a manufacturing company for aerosol can and filling in the Eastern Mediterranean.

Due to mass production the appropriate methodology was to apply inspection by sampling. Analytically, samples were taken during production and graphs were plotted. Analysis, discussion and suggestions followed each graph. The main outcome, after the analysis of the graphs, was that the great majority of control charts were under the statistical control as it was expected to be.

A lot of efforts were made to identify not only the causes of failures / losses but also to present solutions to the causes. It is the Authors opinion that it would be very beneficial for the company to reduce variation through process monitoring and adopt the extensive suggestions and methods of inspections to reduce failure rates and losses.

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