

Productivity Improvement in the Quinoa Snack Production Line for Cereal Processing Company

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Abstract: The study is based on a cereal company that produces snacks based on quinoa; its star product is the 200-gram quinoa snack, which was considered for the analysis of productivity based on industrial engineering tools. Over the years, this product has achieved trust and loyalty from local and international customers, through constant innovation for these quality certified products. However, due to constant growth in the market, the company needs to improve the production processes, standardization of times and movements, and rolling production lines, to optimize capacity of machinery, personnel and raw material along the productive line. The application of methodologies such as process management, work analysis and current and future production process simulations have resulted in a projection of 4 times the current production capacity, generating monthly benefits of up to \$ 8,278 dollars.

Keywords: Productivity, quinoa, production