

IMPROVING THE PERFORMANCE OF AN ASSEMBLY LINE OF THE CAR AIR CONDITIONING SYSTEM

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Rezumat. *Lucrarea are ca obiectiv îmbunătățirea unei linii de asamblare, constând mai întâi în analiza inițială a acesteia și ulterior în aplicarea unor soluții de îmbunătățire și dezvoltare a liniei prin reorganizare spațială.*

Abstract. *The aim of the study is the improvement of an assembly line, consisting first in its initial analysis and later in the application of solutions for the improvement and development of the line through spatial reorganization.*

Keywords: Assembly line, Warehouse, Process, Production

1. Introduction

The study focuses on the improvement of an assembly line, consisting first of its initial analysis and later of the development, analysis and application of improvement solutions.

The work addresses the following issues:

- Defining the technological process of assembling the air conditioning system;
- Presentation and analysis of the initial situation of the assembly line;
- Identification of problems on the analyzed assembly line;
- Presentation of solutions to improve the assembly process of this air conditioning system, by modifying certain aspects of the technological system;
- Presentation of the final situation of the assembly line (after improvement);
- Comparative analysis of the 2 situations, the initial line, and the final line (improved).

In order to be able to identify the main shortcomings, it was necessary to analyze the assembly line, both in terms of the way the workstations are carried out and in terms of time and performance indicators [1], [2], [3]. After the implementation of the improvement measures, a comparative analysis of the 2 situations was performed.

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