

IMPLEMENTATION OF THE CONTINUOUS IMPROVEMENT PROCESS INSIDE AUTOMOTIVE INDUSTRY ORGANIZATION IN THE FIELD OF PLASTIC INJECTION

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Rezumat. *Lucrarea abordează structura procesului de îmbunătățire continuă și implementarea unui sistem de control, analiză și măsuri de corecție pentru toate incidentele înregistrate în organizație ca neconformități.*

Abstract. *The paper addresses the structure of the continuous improvement process and the implementation of a control, analysis, and correction system for all incidents recorded in the organization as nonconformities.*

Keywords: Plastics, Identification analysis, Root causes nonconformity, Organization performance improving

1. Introduction

Plastics injection is a manufacturing process of parts, obtained by injecting molten granules into a mold. The melt cools and by solidification takes the form of the cavity in which it was injected.

In recent years, products made of plastic have grown due to the high productivity of the process, the versatility and potential to replace metal in many applications.

Plastic appeared as raw material at the end of the IX century (ebonite and celluloid). The technology developed slowly until the middle of the XX century when it began to grow. In 1944 the worldwide production of polymer resins, being used mainly in electrical applications, for insulation. The main groups of materials used today, Polystyrene, Polyvinyl chloride, Polyolefins and polymethacrylates, were developed at the industrial level before 1950.

Since the middle of the XX century, the development of plastics has taken a large scale, penetrating the majority of industries.

Plastics injection is used to produce goods such as packaging, auto parts and components, toys, storage containers, mechanical parts, components of medical

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