

## IMPLEMENTATION OF A CONTINUOUS IMPROVEMENT PROCESS WITHIN AN AUTOMOTIVE PLASTIC INJECTION MOLDING ORGANIZATION

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**Rezumat.** *Lucrarea abordează structura procesului de îmbunătățire continuă și implementarea unui sistem de control, analiză și corecție pentru toate incidentele înregistrate în organizație ca neconformități. Rezultatele obținute prin testarea fiecărei metode analizate evidențiază următoarele acțiuni: reducerea costurilor legate de non-calitate prin analizarea și eliminarea cauzelor neconformității; creșterea productivității prin optimizarea continuă a proceselor, activităților și resurselor alocate; îmbunătățirea satisfacției clienților și creșterea competitivității, cultură organizațională matură, rezultate orientate către client și competitive; instruirea continuă a angajaților; alinierea la standardele de calitate actuale.*

**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. The results obtained by testing each method analysed, highlight the following actions: reducing the costs of non-quality by analysing and eliminating the causes of non-compliance; increasing productivity through continuous optimization of processes, activities and allocated resources; improving customer satisfaction and increased competitiveness, mature organizational culture, customer-oriented and competitive results; continuous training of employees; alignment to the actual quality standards.*

**Keywords:** Plastics; identification, root causes analysis. nonconformity, organization performance

### 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

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