

PRODUCTION AND QUALITY CONTROL OF A FOUNDRY USING SPC.

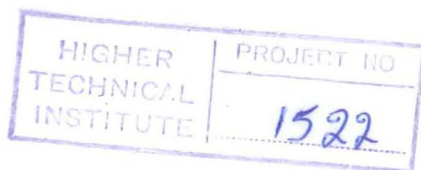
PROJECT REPORT SUBMITTED BY  
BY PAVLOS C. MICHAEL

In part satisfaction of conditions for award of Diploma of technician Engineer in Mechanical Engineering department of the Higher Technical Institute, Cyprus.

Project Supervisor : Dr L. Lazari.

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## Introduction

The objective of this project is to improve the productivity of a foundry industry by using statistical process Control.

In order to fulfill the goal of the project the whole production processes of a specific foundry was studied. Many shortcomings were detected and possible solutions were suggested in order to overcome such shortcomings. Suggestions were pointed out to improve the existing safety measures in the factory

The Quality Control procedure and techniques at the SKK Castings and Foundries were investigated. The conclusion derived was that the existing Quality Control methods are not efficient. For this reason proposed Quality control methods are suggested. An economic comparison is performed for the existing and proposed Quality Control methods.

A Variable Control chart has been constructed to investigate whether the production process was satisfactory.

From the theoretical point of view the project work contains almost all production processes and Quality Control methods and techniques that can be found in a Foundry Industry.

## CONTENTS

	Page
ACKNOWLEDGEMENTS	
Introduction	
CHAPTER ONE: THEORY ON QUALITY CONTROL	
1.0.0 Introduction in Quality Control .....	1
1.1.0 Meanings of "Quality" .....	2
1.2.0 Meanings of "Control" .....	3
1.3.0 Meanings of "Quality Control" .....	4
1.4.0 Statistical Process Control .....	4
1.5.0 Inspection .....	10
CHAPTER TWO : PRODUCTION PROCESSES IN A FOUNDRY AND CORRESPONDING QUALITY CONTROL	
2.0.0 Introduction .....	16
2.1.0 Patterns and their design .....	16
2.2.0 Raw Materials .....	19
2.3.0 Cores and Core - Making .....	22
2.4.0 Melting, Pouring, Solidification and Quality Control in Melting and Heat Treatment.....	
2.5.0 Types of Castings.....	57
2.6.0 Felting .....	71
CHAPTER THREE: QUALITY CONTROL TESTS PERFORMED AT SKK CASTINGS AND FOUNDRIES	
3.0.0 Introduction .....	81
3.1.0 Testing Test .....	81
3.2.0 Loading Test .....	86
CHAPTER FOUR: DESCRIPTION OF ALL PROCESSES IN A SPECIFIC FOUNDRY AND SUGGESTIONS FOR IMPROVEMENTS	

	Page
4.0.0 Introduction .....	91
4.1.0 Reclamation Plant .....	92
4.2.0 Coreshop .....	100
4.3.0 Melting Plant .....	108
4.4.0 Mould Production Department .....	119
4.5.0 Fetting and Quality Control in FINAL INSPECTION .....	125
 CHAPTER FIVE: STATISTICAL PROCESS CONTROL AT THE SKK CASTINGS AND FOUNDRIES	
5.0.0 Introduction .....	129
5.1.0 Variable Control Charts .....	129
5.2.0 Attribute Control Charts .....	130
 CHAPTER SIX: ECONOMIC COMPARISON BETWEEN THE EXISTING AND PROPOSED QUALITY CONTROL PROCEDURES AND TECHNIQUES .....	
	133
CONCLUSIONS .....	135
REFERENCES .....	138