

# CONTENTS

## POWDER INJECTION MOULDING (PIM) PROJECT

	<u>Page</u>
<b>PREFACE</b>	(i)
<b>GLOSSARY</b>	(ii)
<b>SUMMARY</b>	(iii)
<b>1. THE PROJECT CONCEPT .....</b>	<b>1</b>
1.1 The Basic Concept .....	1
1.2 Expansion of the Basic Concept .....	2
1.3 Environmental Aspects .....	2
<b>2. THE PRODUCT .....</b>	<b>3</b>
2.1 Definition and Specifications .....	3
2.2 Applications .....	4
<b>3. THE JUSTIFICATION OF THE PROJECT.....</b>	<b>5</b>
<b>4. THE MARKET DIMENSIONS .....</b>	<b>6</b>
4.1 The Market Size and Project Parameters .....	6
4.2 Market Prices .....	10
4.3 Competition .....	10
4.4 Marketing and Distribution Strategy Concepts.....	11
<b>5. THE TECHNOLOGY &amp; PRODUCTION PROCESS.....</b>	<b>12</b>
5.1 The Technology .....	12
5.2 The Production Process.....	12
5.3 The Environmental Aspects .....	15
5.4 The Technology Source .....	16
<b>6. THE PRODUCTION REQUIREMENTS .....</b>	<b>17</b>
6.1 Raw Materials & Consumables.....	17
6.2 Utilities.....	17
6.3 Manpower .....	18
<b>7. INVESTMENT COSTS .....</b>	<b>19</b>
7.1 Summary.....	19
7.2 Total Fixed Investment Costs .....	20
7.3 Pre-production Costs .....	21
7.4 Working Capital .....	22
<b>8. PROJECT PROFITABILITY .....</b>	<b>23</b>
8.1 Overview .....	23
8.2 Financial Results - 100% Equity Case.....	23
8.3 Financial Results - Loan Case : 50% Equity/50% Loan .....	25
8.4 Sensitivity Analysis: Key Factors.....	27
<b>APPENDIX</b>	
<b>ARABIC SUMMARY</b>	