

CONTENTS

SPIN-CAST METAL PARTS PROJECT

	<u>Page</u>
PREFACE	(i)
GLOSSARY	(ii)
SUMMARY	(iii)
1. THE PROJECT CONCEPT	1
1.1 The Basic Concept	1
1.2 Expansion of the Basic Concept	3
1.3 Environmental Aspects	3
2. THE PRODUCT	4
2.1 Definition and Specifications	4
2.2 Applications	4
3. THE JUSTIFICATION OF THE PROJECT	5
4. THE MARKET DIMENSIONS	6
4.1 The Market Size and Project Parameters	6
4.2 Market Prices	8
4.3 Competition	8
4.4 Marketing and Distribution Strategy Concepts	8
5. THE TECHNOLOGY & PRODUCTION PROCESS	10
5.1 The Technology	10
5.2 The Production Process	10
5.3 The Technology Source	13
6. THE PRODUCTION REQUIREMENTS	14
6.1 Raw Materials & Consumables	14
6.2 Utilities	14
6.3 Manpower	15
7. INVESTMENT COSTS	16
7.1 Summary	16
7.2 Total Fixed Investment Costs	17
7.3 Pre-production Costs	19
7.4 Working Capital	19
8. PROJECT PROFITABILITY	20
8.1 Overview	20
8.2 Financial Results - 100% Equity Case	20
8.3 Financial Results - Loan Case : 50% Equity/50% Loan	22
8.4 Sensitivity Analysis: Key Factors	24
APPENDIX	
ARABIC SUMMARY	