CONTENTS

Chapter 1. Introduction
Section 1. Objectives and Necessity of Research
1. Necessity of Research ·····
2. Strategy of Research
Section 2. Scope of Research
1. Objectives and Scope of technology development
Chapter 2. The status of technology development
Section 1. Trend in relevant technology and patent home and abroad ··· 1
Section 2. Analysis of domestic and global market and the industry status 1
1. Domestic technology status ····································
2. International technology status1
3. Technology road map
Chapter 3. The contents and results of the development
Section 1. Advancement of the measurement system1
1. Diagnosis of the measurement system and the fundamental study · 1
2. Technology development of the advanced measurement system 4
3. Completion and evaluation of the advancement of the measurement system 9
Section 2. Improvement of the facility control system14
1. Diagnosis of performance of the facility control system14
2. Derivation of improvement methods for the facility control system 16
3. Completion and evaluation of improvement of the facility control system 18
Chapter 4. Accomplishment of research and its contribution
Section 1. Accomplishment of the research results22
1. Accomplishment of the 1 st year ·······22
2. Accomplishment of the 2 nd year ····································
3. Accomplishment of the 3 rd year ······23
4. Technology development contribution