China Radiation Processing Industry Development Prospect and Investment Forecast Report, 2013-2017

目 录

CONTENTS

Chapter 1: Development Overview and External Environment of China Radiation Processing Industry
1.1 Overview of Radiation Processing Industry
1.1.1 Definition of Radiation Processing
1.1.2 Merits of Radiation Processing
1.1.3 Position in National Economy
1.2 Main Applications of Radiation Processing
1.2.1 Radiation Crosslinking Modification for Polymer
(1) Development Overview
(2) Basic Principles
(3) Wire and Cable Treatment by Radiation
(4) Heat-shrinkable Materials
1.2.2 Storage by Food Irradiation
(1) Development Overview
(2) Application Scope
1.2.3 Radiosterilization for Medical Supplies
1.2.4 Other Applications
(1) “Three Wastes” Treatment
(2) Coating Solidification
(3) Semiconductor
1.3 Environment Analysis of Radiation Processing Industry
1.3.1 Analysis of Industry Policy Environment
(1) Profile of Industry Management Mechanism
(2) Laws, Regulations and Policies Related to Industry
(3) Analysis of Relevant Policies on Industry
1.3.2 Analysis of Industry Economic Environment
(1) Analysis of International Macro-economic Environment
(2) Analysis of Domestic Macro-economic Environment
(3) Analysis of Industry Macro-economic Environment
Chapter 2: Technological Level Analysis of China Radiation Processing Industry
2.1 Development Status Analysis of Radiation Processing Technologies
2.1.1 Technology Level and Features
2.1.2 Analysis of Patent Technologies
2.1.3 Distribution of Relevant Documents
2.2 Applications Analysis of Radiation Processing Technologies
2.2.1 Applications in Medical Technologies
2.2.2 Applications in Power Generation
2.2.3 Applications in Industry
2.2.4 Applications in Food Safety
2.2.5 Applications in Environmental Protection
2.2.6 Applications in Preservation of Cultural Relics
2.3 Progress Analysis of Research on Dosimetry System for Radiation Processing
2.3.1 Progress Analysis of Research on Calorimetry
(1) Graphite Calorimeter & Polystyrene Calorimeter
(2) Water Calorimeter
(3) Other Calorimeters
2.3.2 Progress Analysis of Research on Ionization Method
2.3.3 Progress Analysis of Research on Chemical Method
2.4 Development of Food Irradiation Technology and Irradiation Equipment

2.4.1 Development of Food Irradiation Processing Technology
(1) Irradiation Processing Technology of Food and Agricultural Processing Technology
(2) Security Declaration for Food Irradiation Processing Technology
2.4.2 New Progress of Food Irradiation Technology
(1) Constantly Approval of New Global Projects in the 21st Century
(2) Growing Improvement of Food Irradiation Technology Standards
2.4.3 New Development of Food Irradiation Equipment
(1) Safer and More Reliable
(2) Appropriate Energy of Radioactive Source
(3) Realizing Broader Technologies on Dose Range
(4) Requiring Equipment to Realize Uniform Irradiation
2.4.4 Quality Management on Food Irradiation Equipment
(1) Importance of Quality Management
(2) Operation Management of Equipment
(3) Determination of Absorbed Dose and Assurance and Guarantee of Effectiveness
(4) Certification of Quality Management System
2.5 Development Obstacles and Trend of Domestic Radiation Processing Technology
2.5.1 Development Obstacles Analysis of Industry Technology
(1) Not Enough Understanding towards Radiation Processing Technology
(2) Insufficient Capital Investment and Short Industrial Chain
(3) Lack of Management and Policies Support
(4) Seriously Inadequate Specialists
2.5.2 Development Trend Analysis of Industry Technology
Chapter 3: Development Status and Competitive Landscape of China Radiation Processing Industry
3.1 Development Status and Trend of International Radiation Processing Industry
3.1.1 Development Overview of International Radiation Processing Industry
3.1.2 Development Features of International Radiation Processing Industry
(1) Wider Applications of Radiation Technology
(2) Rapid Development of Industrialization
(3) Enterprises Developing into Upsizing and Standardization
(4) Great Efforts Made in R&D
3.1.3 Development Status in Major Countries and Regions
(1) Development Status of USA Radiation Processing Industry
(2) Development Status of Japan Radiation Processing Industry
(3) Development Status of Europe Radiation Processing Industry
3.1.4 Development Trend of International Radiation Processing Industry
3.2 Development Status Analysis of China Radiation Processing Industry
3.2.1 Development Overview of Industry
3.2.2 Development Features of Industry
3.2.3 Industry Operation
(1) Analysis of Production Capability
(2) Analysis of Industry Scale
(3) Industry Economic Benefits
3.2.4 Problems in Industry
3.3 Competitive Landscape Analysis of China Radiation Processing Industry
3.3.1 Competitive Landscape of Overall Industry
3.3.2 Analysis of Upstream Bargaining Power
3.3.3 Analysis of Downstream Bargaining Power
3.3.4 Analysis of Industry New Entrants
3.3.5 Analysis of Industry Potential Threats
Chapter 4: Analysis of Market Segments of China Radiation Processing Industry
4.1 Features Analysis of Industry Product Structure
4.1.1 Features of Industry Product Structure
4.2 Development Overview of Product Market
4.2.1 Development Status of Foreign Radiation Chemical Industry
(1) Features of Foreign Radiation Chemical Industry
(2) Development Overview of Major Countries and Regions
(3) Analysis of Industry Development Trend

4.2.2 Development Status of China Radiation Chemical Industry
(1) Industry Development History
(2) Industry Operation
1) Analysis of Industry Scale
2) Major Enterprises in Industry
3) Industry Distribution
(3) Problems in Industry
4.2.3 Analysis of Main Products in Industry and Application Fields
(1) Features of Industry Product Structure
(2) Major Application Fields in Industry Product
(3) Development Prospects Forecast for “Twelfth Five-year” Plan for Industry
4.3 Development Analysis of Radiation Processing Service Industry
4.3.1 Development Status of Radiation Processing Service Industry
4.3.2 Operation Analysis of Radiation Processing Service Industry
(1) Analysis of Industry Scale
(2) Main Enterprises in Industry
4.3.3 Development Priorities of Radiation Processing Service Industry
4.3.4 Prospects Forecast for Radiation Processing Service Industry
4.4 Development Analysis of Radiation Processing Equipment Industry
4.4.1 Development Status of Radiation Processing Equipment Industry
4.4.2 Operation Analysis of Radiation Processing Equipment Industry
(1) Analysis of Industry Scale
(2) Main Enterprises in Industry
4.4.3 Product Structure of Radiation Processing Equipment Industry
4.4.4 Development Priorities of Radiation Processing Equipment Industry
4.4.5 Prospects Forecast for Radiation Processing Equipment Industry
4.5 Development Analysis of Environment and Public Security Industry
4.5.1 Development Status of Environment and Public Security Industry
4.5.2 Operation Analysis of Environment and Public Security Industry
(1) Analysis of Industry Scale
(2) Main Enterprises in Industry
4.5.3 Development Priorities of Environment and Public Security Industry
4.5.4 Prospects Forecast for Environment and Public Security Industry
Chapter 5: Key Regions Analysis of China Radiation Processing Industry
5.1 Regional Distribution of China Radiation Processing Industry
5.2 Development Analysis of Jiangsu Radiation Processing Industry
5.2.1 Analysis of Industry Development Status
5.2.2 Competitive Landscape of Industry Enterprises
5.2.3 Future Development Priorities in Industry
5.2.4 Analysis of Industry Development Trend
5.3 Development Analysis of Zhejiang Radiation Processing Industry
5.3.1 Analysis of Industry Development Status
5.3.2 Gap in Industry Development
(1) Scale
(2) Intensification
(3) Standardization Management
5.3.3 Analysis of Advantages and Disadvantages in Industry Development
(1) Advantages Analysis
(2) Disadvantages Analysis
5.3.4 Promotion Strategies for Industry Development
5.4 Development Analysis of Shanghai Radiation Processing Industry
5.4.1 Analysis of Industry Development Status
5.4.2 Competitive Landscape of Industry Enterprises
5.4.3 Future Development Priorities in Industry
5.4.4 Analysis of Industry Development Trend
5.5 Development Analysis of Guangdong Radiation Processing Industry
5.5.1 Analysis of Industry Development Status
5.5.2 Competitive Landscape of Industry Enterprises
5.5.3 Future Development Priorities in Industry

5.5.4 Analysis of Industry Development Trend
5.6 Development Analysis of Shandong Radiation Processing Industry
5.6.1 Analysis of Industry Development Status
5.6.2 Competitive Landscape of Industry Enterprises
5.6.3 Future Development Priorities in Industry
5.6.4 Analysis of Industry Development Trend
5.7 Development Analysis of Hunan Radiation Processing Industry
5.7.1 Industry Development History and Status
(1) Application Research on Radiation Technology
(2) Development Analysis of Radiation Processing Technology
5.7.2 Problems in Industry Development
(1) High Operation Cost
(2) Insufficient Publicity Efforts
(3) Inadequate Budget
(4) Backward Management Mechanism
5.7.3 Promotion Strategies for Industry Development
Chapter 6: Operation Analysis of Leading Enterprises in China Radiation Processing Industry
6.1 Analysis of Development Overview of Overall Industry Enterprises
6.1.1 Development Overview of Domestic Enterprises
6.1.2 Development Overview of Foreign-invested Enterprises in China
(1) Isotron Ltd (UK)
(2) Sterigenics (USA)
(3) Synergy (UK)
6.1.3 Analysis of Foreign-invested Enterprises' Operation Features
(1) Cross-technology Operation
(2) Service Socialization
(3) Cautious Investment
(4) Making Full Use of Technology
(5) Advanced Management Level
6.2 Operation Analysis of Advanced Research Centers Related to the Industry
6.2.1 Shanghai Institute of Applied Physics, Chinese Academy of Sciences
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
(4) Analysis of Institute R&D Achievements
(5) Analysis of Institute Latest Trend
6.2.2 Jiangsu Lixiahe Agricultural Science Research Institute
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
(4) Analysis of Institute R&D Achievements
(5) Analysis of Institute Latest Trend
6.2.3 Beijing Radiation Application Research Center
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
(4) Analysis of Institute R&D Achievements
(5) Analysis of Institute Latest Trend
6.2.4 Institute of Agro-Products Processing Science and Technology CAAS
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
(4) Analysis of Institute R&D Achievements
(5) Analysis of Institute Latest Trend
6.2.5 Tianjin Institute of Technology
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Analysis of Institute R&D Achievements

6.2.6 Dalian Institute of Applied Technology
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
6.2.7 Technical Physics Institute of Heilongjiang Academy of Science
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Analysis of Institute R&D Achievements
(4) Analysis of Institute Latest Trend
6.2.8 Shanghai Electric Cable Research Institute
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
(4) Analysis of Institute R&D Achievements
(5) Analysis of Institute Latest Trend
6.2.9 Institute of Application of Atomic Energy in Agriculture, Jiangsu Academy of Agricultural Sciences
(1) Analysis of Institute Development Profile
(2) Analysis of Institute Discipline Domain
(3) Institution Setting and Invested Industries
1) Nanjing Irradiation Center
1. Center Development Profile
2. Products and Services
3. Certification Related to Center
4. R&D Achievements in Center
2) Health Products R&D Center
1. Center Development Profile
2. Products and Services
3. Certification Related to Center
4. Sales Channels for Center
3) Engineering Center for Agricultural Equipment
1. Center Development Profile
2. Products and Services
3. R&D Achievements in Center
4) Jiangsu Metering Station of Ionizing Radiation
6.3 Case Study of Leading Enterprises' Operation in Industry
6.3.1 Shenzhen Changyuan New Material Co., Ltd.
(1) Analysis of Enterprise Development Profile
(2) Analysis of Enterprise Products and Services
(3) Analysis of Enterprise Technology Level
(4) Analysis of Certification Related to Enterprises
(5) Analysis of Enterprise Sales Channels
(6) Analysis of Enterprise Operation Conditions
1) Main Economic Indicators
2) Analysis of Profitability
3) Analysis of Operation Capability
4) Analysis of Debt-paying Ability
5) Analysis of Development Capability
(7) Analysis of Enterprise Advantages and Disadvantages
(8) Analysis of Enterprise Investment, Merger and Restructuring
(9) Analysis of Enterprise Latest Development Trend

如需了解报告详细内容，请直接致电前瞻客服中心。

全国免费服务热线：400-068-7188 0755-82925195 82925295 83586158

或发电子邮件：service@qianzhan.com

或登录网站：https://bg.qianzhan.com/

我们会竭诚为您服务！