

# Active and Intelligent Packaging Market - Global Outlook and Forecast 2019-2024

<https://marketpublishers.com/r/AC502BFBD6EN.html>

Date: September 2019

Pages: 212

Price: US\$ 3,500.00 (Single User License)

ID: AC502BFBD6EN

## Abstracts

The global active and intelligent packaging market is expected to grow at a CAGR of more than 4% during 2018–2024.

The increased use of anti-microbial packaging agents as a mechanism to maintain safety and preserve the quality of food items for a longer duration is one of the major factor driving the global active and intelligent packaging market. The increasing usage of RFID and barcodes in industrial setups to streamline the supply chain process is one of the major factors for the rise of intelligent packaging solutions. Therefore, the inclusion of additional features/functionalities such as providing information for the integrity of the package and quality of the contents stored in the package throughout the logistics will accelerate the demand for RFID packaging solutions.

The edible coating on food products is a new technology driving the active packaging industry. It is highly used to pack frozen and chilled food products. The high demand for frozen food products in North America and Europe is a major key factor fueling the growth of active packaging market. Active packaging has a large share in the global packaging market, as it requires low investments. Further, active packaging has a better growth rate than intelligent packaging in developing countries, as it is more inexpensive than smart packaging. Further, with the increase in smartphone penetration worldwide, the demand for interactive intelligent packaging is expected to rise. Africa and APAC are expected to be major markets for authentication-based intelligent packaging solutions as established pharmaceutical and food vendors are aiming to expand the scope and scale of their businesses in these regions.

The following factors are likely to contribute to the growth of the global active and intelligent packaging market during the forecast period:

Active packaging through an edible coating

Use of natural anti-microbial agents

Growth of nanotechnology in intelligent packaging

Growth of anti-microbial packaging

Increase in product counterfeiting

This market research report on the active and intelligent packaging market offers analysis on market size & forecast, market share, industry trends, growth drivers, and vendor analysis. The market study also includes insights on segmentation by application (food, beverages, healthcare, and others), active packaging system type (gas scavengers, moisture control system, microwave susceptors, and others), intelligent packaging system type (interactive packaging, indicators, and sensors), by geography (APAC, Europe, North America, Latin America, and MEA).

The study considers the present scenario of the active and intelligent packaging market dynamics for the period 2018-2024. The study covers a detailed overview of various market growth enablers, restraints, and trends. The study covers both the demand and supply sides of the market. The study also profiles and analyzes the leading companies and other prominent companies operating in the active and intelligent packaging market.

#### Active and Intelligent Packaging Market: Segmentation

This research report includes detailed market segmentation by application, active packaging system type, intelligent packaging system type, and geography. The food sector is the major end-user in the active and intelligent packaging market. The need to extend the shelf life of processed and packaged fresh foods is driving the demand for active and intelligent packaging materials in the food segment. However, the demand for active packaging market is comparatively higher than intelligent packaging solutions due to the accessibility of food products at rational rates using active packaging. The active and intelligent packaging market by the beverage sector is growing in the form of labels. Further, interactive packaging is more prevalent in the beverage industry. The adoption of active and intelligent packaging is becoming popular in the pharmaceutical industry. The compliance with the FDA regulation in terms of packaging materials is

driving the demand for the pharmaceutical packaging market. Changing consumer behavior, which focuses on connectivity and product information, is likely to lead the adoption of advanced active and intelligent packaging. The other application areas of active and intelligent packaging market include personal care, pet food, household products, and other non-food categories. The cosmetic industry is expected to have a positive impact on the market.

The need to extend shelf life and maintain high-quality of food items is boosting the active packaging market. Sachets and labels dominate the active packaging segment. The ease of procurement and abundance of active ingredients makes active packaging an attractive option among brands. The market for external gas component (gas scavengers) is gaining ground due to the low cost and does not require any change in the production line. Commercially, oxygen scavengers are most widely used in the active packaging market. With the growing concerns over metallic elements coming in contact with food items, non-metallic oxygen scavengers are gaining prominence. The market for microwave susceptors is expected to grow at a healthy rate during the forecast period as susceptors can be temperature-controlled to speed up and improve the product texture.

The food packaging market is introducing less toxic content such as the biologically sourced polysaccharide-based films, which is likely to fuel the active and intelligent packaging market during the forecast period.

The growing consciousness among European and North American brands to adopt the technology that reduces food wastage, improves food taste, and increases shelf life of processed food products is a major contributing factor to the intelligent packaging market. The market for interactive packaging is growing as consumers loyalty programs require value-added features to retain customers. Further, with counterfeit medicines estimated to be 10% to 15% of the overall drug output, the benefit of using NFC in conjunction with smartphones have made the pharmaceutical industry as one of the high potential markets for vendors. Cost-effectiveness and easy application of indicators are major reasons for their application in the smart packaging market.

## Market Segmentation by Applications

Food

Beverages

Healthcare

Others

## Market Segmentation by Active Packaging System Type

Gas Scavengers

Moisture Control System

Microwave Susceptors

Others

## Market Segmentation by Intelligent Packaging System Type

Interactive Packaging

Indicators

Sensors

## Active and Intelligent Packaging Market: Geography

The high demand for active gas scavengers and emitters across industries is driving the active and intelligent packaging market in APAC. The growing retail landscape, along with organized packaging, is further boosting the market in the region. The high penetration of the internet and the rise of e-commerce are expected to boost the active and intelligent packaging market in APAC during the forecast period. The growth trend for active and intelligent packaging market in Europe is expected to be faster in the second half of the forecast period, as the market is likely to gain some clarity over the Brexit. The demand for interactive packaging is high in Western Europe. Further, the UK, Spain, and Italy are the highest revenue contributors, witnessing substantial growth in the active and intelligent packaging market.

The active and intelligent packaging market in North America is growing at a healthy

rate due to high volume consumption and value generation potential. Factors such as the availability of raw materials for active and intelligent packaging, the presence of technologically advanced ecosystems, and less complex nature of regulations are driving the market in the region. Modern retail stores in the Middle East offer high potential for brands to incorporate intelligent packaging as the region has one of the highest GDPs per capita. Investments in food processing, especially meat and poultry in the UAE have positively impacted the active and intelligent packaging market

## Market Segmentation by Geography

### APAC

China

Japan

Australia

India

South Korea

Singapore

### Europe

Germany

France

UK

Italy

Spain

Turkey

### North America

US

Canada

Latin America

Argentina

Brazil

Chile

Colombia

Mexico

MEA

Saudi Arabia

South Africa

Egypt

UAE

## Key Vendor Analysis

The active and intelligent packaging market is highly fragmented with no clear global leader providing a full portfolio of products and services. It is characterized by the presence of diversified companies at local, regional, and international levels. Vendors in the market are invested mostly in smart packaging solutions for intelligent packaging as they provide better cost on investment and are more efficient with their functionalities. Many new vendors both in active and intelligent packaging have come into existence with a focus on single product specialization. The active packaging market will see the high level of competition at the local or regional level as it does not require huge capital investment and patents, unlike the intelligent packaging, where packaging and

technological company have to collaborate.

#### Key Vendors

Avery Dennison

DuPont

Stora Enso

Timestrip

Thinfilm Electronics

#### Other Prominent Vendors

Amcor

Sonoco Thermosafe

Sealed Air

Westrock

Mitsubishi Gas Chemical

Tropack Packmittal GmBH

Cryolog

Crown

Graphic Packaging

TC Transcontinental

Desiccare

## Key Market Insights

The analysis of the global active and intelligent packaging market provides market sizing and growth opportunities for the forecast period 2019–2024.

Offers market sizing and growth prospects of the global active and intelligent packaging market for the forecast period 2019–2024.

Provides comprehensive insights on the latest industry trends, market forecast, and growth drivers in the global active and intelligent packaging market.

Includes a detailed analysis of active and intelligent packaging market growth drivers, challenges, and investment opportunities.

Delivers a complete overview of market segments and the regional outlook of the active and intelligent packaging market.

Offers an exhaustive summary of the vendor landscape, competitive analysis, and key market strategies to gain a competitive advantage in the global active and intelligent packaging market.



## Contents

### **1 RESEARCH METHODOLOGY**

### **2 RESEARCH OBJECTIVES**

### **3 RESEARCH PROCESS**

### **4 SCOPE & COVERAGE**

#### 4.1 Market Definition

##### 4.1.1 Inclusions

##### 4.1.2 Exclusions

#### 4.2 Base Year

#### 4.3 Scope of the study

#### 4.4 Market Segments

##### 4.4.1 Market Segmentation by Type of Packaging

##### 4.4.2 Market Segmentation by Active Packaging

##### 4.4.3 Market Segmentation by Intelligent Packaging

##### 4.4.4 Market Segmentation by Application

##### 4.4.5 Market Segmentation by Geography

### **5 REPORT ASSUMPTIONS & CAVEATS**

#### 5.1 Key Caveats

#### 5.2 Currency Conversion

#### 5.3 Market Derivation

### **6 MARKET AT A GLANCE**

### **7 INTRODUCTION**

#### 7.1 Overview

##### 7.1.1 Intelligent Packaging

##### 7.1.2 Active Packaging

##### 7.1.3 Key Insights

#### 7.2 Macro Economic Factors

### **8 MARKET DYNAMICS**

## 8.1 Market Growth Enablers

- 8.1.1 Increased Counterfeiting of Products
- 8.1.2 Growth of Anti-microbial Packaging
- 8.1.3 Growth of Intelligent Packaging in Supply Chain

## 8.2 Market Growth Restraints

- 8.2.1 Concerns over Food Contact with Active Packaging Materials
- 8.2.2 Recycling Concerns of Active & Intelligent Packaging
- 8.2.3 Intelligent Packaging Adoption Constraints

## 8.3 Market Opportunities & Trends

- 8.3.1 Growth of Nanotechnology in Intelligent Packaging
- 8.3.2 Active Packaging Through Edible Coating
- 8.3.3 Use of Natural Anti-Microbial Agents

# 9 GLOBAL ACTIVE & INTELLIGENT PACKAGING MARKET

## 9.1 Market Overview

## 9.2 Market Size & Forecast

## 9.3 Five Forces Analysis

- 9.3.1 Threat of New Entrants
- 9.3.2 Bargaining Power of Suppliers
- 9.3.3 Bargaining Power of Buyers
- 9.3.4 Threat of Substitutes
- 9.3.5 Competitive Rivalry

# 10 BY PACKAGING TYPE

## 10.1 Market Snapshot & Growth Engine

## 10.2 Market Overview

- 10.2.1 Active Packaging - Key Insights
- 10.2.2 Intelligent Packaging - Key Insights

## 10.3 Active Packaging

- 10.3.1 Market Size & Forecast
- 10.3.2 Gas Scavengers: Market Size & Forecast
- 10.3.3 Moisture Control Systems: Market Size & Forecast
- 10.3.4 Microwave Susceptors: Market Size & Forecast
- 10.3.5 Other Active Packaging Systems: Market Size & Forecast

## 10.4 Intelligent Packaging

- 10.4.1 Market Size & Forecast

10.4.2 Interactive Packaging: Market Size & Forecast

10.4.3 Indicators: Market Size & Forecast

10.4.4 Sensors: Market Size & Forecast

## **11 BY APPLICATION**

11.1 Market Snapshot & Growth Engine

11.2 Market Overview

11.2.1 Key Takeaways

11.3 Food

11.3.1 Market Size & Forecast

11.3.2 Meat, Poultry, & Seafood: Market Size & Forecast

11.3.3 Fruits & Vegetables: Market Size & Forecast

11.3.4 Dairy: Market Size & Forecast

11.3.5 Bakery & Confectionery: Market Size & Forecast

11.3.6 RTE Food: Market Size & Forecast

11.3.7 Other Foods: Market Size & Forecast

11.4 Beverages

11.4.1 Market Size & Forecast

11.5 Healthcare

11.5.1 Market Size & Forecast

11.6 Other Applications

11.6.1 Market Size & Forecast

## **12 BY GEOGRAPHY**

12.1 Market Snapshot & Growth Engine

12.2 Overview

12.2.1 Key Insights

## **13 APAC**

13.1 Market Overview

13.1.1 Demand Insights

13.1.2 Market Challenges

13.2 Market Size & Forecast

13.2.1 Market in APAC by Packaging Type

13.2.2 Market in APAC by Application Type

13.3 Key Countries

- 13.3.1 China: Market Size & Forecast
- 13.3.2 Japan: Market Size & Forecast
- 13.3.3 Australia: Market Size & Forecast
- 13.3.4 India: Market Size & Forecast
- 13.3.5 South Korea: Market Size & Forecast
- 13.3.6 Singapore: Market Size & Forecast

## **14 EUROPE**

- 14.1 Market Overview
  - 14.1.1 Key Insights
- 14.2 Market Size & Forecast
  - 14.2.1 Market in Europe by Packaging Type
  - 14.2.2 Market in Europe by Application Type
- 14.3 Key Countries
  - 14.3.1 Germany: Market Size & Forecast
  - 14.3.2 France: Market Size & Forecast
  - 14.3.3 UK: Market Size & Forecast
  - 14.3.4 Italy: Market Size & Forecast
  - 14.3.5 Spain: Market Size & Forecast

## **15 NORTH AMERICA**

- 15.1 Market Overview
  - 15.1.1 Key Insights
- 15.2 Market Size & Forecast
  - 15.2.1 Market in North America by Packaging Type
  - 15.2.2 Market in North America by Application Type
- 15.3 Key Countries
  - 15.3.1 US: Market Size & Forecast
  - 15.3.2 Canada: Market Size & Forecast

## **16 MIDDLE-EAST & AFRICA**

- 16.1 Market Overview
  - 16.1.1 Key Insights
- 16.2 Market Size & Forecast
  - 16.2.1 Market in MEA by Packaging Type
  - 16.2.2 Market in MEA by Application Type

## 16.3 Key Countries

- 16.3.1 Turkey: Market Size & Forecast
- 16.3.2 Saudi Arabia: Market Size & Forecast
- 16.3.3 South Africa: Market Size & Forecast
- 16.3.4 Egypt: Market Size & Forecast
- 16.3.5 UAE: Market Size & Forecast

## 17 LATIN AMERICA

### 17.1 Market Overview

- 17.1.1 Key Insights

### 17.2 Market Size & Forecast

- 17.2.1 Market in Latin America by Packaging Type
- 17.2.2 Market in Latin America by Application Type

### 17.3 Key Countries

- 17.3.1 Mexico: Market Size & Forecast
- 17.3.2 Brazil: Market Size & Forecast
- 17.3.3 Argentina: Market Size & Forecast
- 17.3.4 Chile: Market Size & Forecast

## 18 COMPETITIVE LANDSCAPE

### 18.1 Competition Overview

## 19 KEY COMPANY PROFILES

### 19.1 Avery Dennison

- 19.1.1 Business Overview
- 19.1.2 Major Product Offerings
- 19.1.3 Key Strengths
- 19.1.4 Key Strategies
- 19.1.5 Key Opportunities

### 19.2 DuPont

- 19.2.1 Business Overview
- 19.2.2 Major Product Offerings
- 19.2.3 Key Strengths
- 19.2.4 Key Strategies
- 19.2.5 Key Opportunities

### 19.3 Stora Enso

- 19.3.1 Business Overview
- 19.3.2 Major Product Offerings
- 19.3.3 Key Strengths
- 19.3.4 Key Strategies
- 19.3.5 Key Opportunities
- 19.4 Timestrip
  - 19.4.1 Business Overview
  - 19.4.2 Major Product Offerings
- 19.5 Thinfilm Electronics
  - 19.5.1 Business Overview
  - 19.5.2 Major Product Offerings
  - 19.5.3 Key Strengths
  - 19.5.4 Key Strategies
  - 19.5.5 Key Opportunities

## **20 OTHER PROMINENT VENDORS**

- 20.1 Amcor
  - 20.1.1 Business Overview
  - 20.1.2 Product Offerings
- 20.2 Bemis
  - 20.2.1 Business Overview
  - 20.2.2 Product Offerings
- 20.3 Sonoco Thermosafe
  - 20.3.1 Business Overview
  - 20.3.2 Product Offerings
- 20.4 Sealed Air
  - 20.4.1 Business Overview
  - 20.4.2 Product Offerings
- 20.5 Westrock
  - 20.5.1 Business Overview
  - 20.5.2 Product Offerings
- 20.6 MitSUBishi Gas Chemical
  - 20.6.1 Business Overview
  - 20.6.2 Product Offerings
- 20.7 Tropack Packmittal GmBH
  - 20.7.1 Business Overview
  - 20.7.2 Product Offerings
- 20.8 Cryolog

- 20.8.1 Business Overview
- 20.8.2 Product Offerings
- 20.9 Crown PACKAGING
  - 20.9.1 Business Overview
  - 20.9.2 Product Offerings
- 20.10 Graphic Packaging
  - 20.10.1 Business Overview
  - 20.10.2 Product Offerings
- 20.11 TC Transcontinental
  - 20.11.1 Business Overview
  - 20.11.2 Product Offerings
- 20.12 Dessicare
  - 20.12.1 Business Overview
  - 20.12.2 Product Offerings

## **21 REPORT SUMMARY**

- 21.1 Key Takeaways
- 21.2 Quantitative Summary
  - 21.2.1 Packaging Type: Market Size
  - 21.2.2 Application Type: Market Size
  - 21.2.3 Active Packaging System Type: Market Size
  - 21.2.4 Intelligent Packaging System Type: Market Size
  - 21.2.5 Geograophy: Market Size
  - 21.2.6 APAC
  - 21.2.7 Europe
  - 21.2.8 Norh America
  - 21.2.9 Middle-East & Africa
  - 21.2.10 Latin America

## **22 APPENDIX**

- 22.1 Abbreviations

## List Of Exhibits

### LIST OF EXHIBITS

- Exhibit 1 Segmentation of Global Active and Intelligent Packaging Market
- Exhibit 2 Market Size Calculation Approach 2018
- Exhibit 3 GDP Growth 2010–2023 (annual % change)
- Exhibit 4 Global GDP Growth 2017 (annual % change)
- Exhibit 5 Impact of Increased Counterfeiting of Products
- Exhibit 6 Anti-Counterfeiting Intelligent Packaging
- Exhibit 7 Impact of Growth of Anti-microbial Packaging
- Exhibit 8 Anti-microbial Food Packaging Application 2018
- Exhibit 9 Impact of Growth of Intelligent Packaging in Supply Chain
- Exhibit 10 Concerns Over Food Contact with Active Packaging Materials
- Exhibit 11 Recycling Concerns of Active & Intelligent Packaging
- Exhibit 12 Intelligent Packaging Adoption Constraints
- Exhibit 13 Growth of Nanotechnology in Intelligent Packaging
- Exhibit 14 Active Packaging Through Edible Coating
- Exhibit 15 Use of Natural Anti-Microbial Agents
- Exhibit 16 Geographical Growth Momentum and Market Share
- Exhibit 17 Global Active & Intelligent Packaging Market 2018?2024 (\$ billion)
- Exhibit 18 Five Forces Analysis 2018
- Exhibit 19 Incremental Growth by Packaging Type 2018–2024
- Exhibit 20 Incremental Growth
- Exhibit 21 Global Active Packaging Market 2018?2024 (\$ billion)
- Exhibit 22 Global Market by Gas Scavengers 2018?2024 (\$ billion)
- Exhibit 23 Global Market by Moisture Control Systems 2018?2024 (\$ billion)
- Exhibit 24 Global Market by Microwave Susceptors 2018?2024 (\$ billion)
- Exhibit 25 Global Other Active Packaging Systems Market 2018?2024 (\$ billion)
- Exhibit 26 Retail Industry Snapshot
- Exhibit 27 Global Intelligent Packaging Market 2018?2024 (\$ billion)
- Exhibit 28 Global Market by Interactive Packaging 2018-2024 (\$ million)
- Exhibit 29 Global Market by Indicators 2018?2024 (\$ million)
- Exhibit 30 Global Market by Sensors 2018-2024 (\$ million)
- Exhibit 31 Incremental Growth by Active and Intelligent Packaging Applications 2018–2024
- Exhibit 32 Incremental Growth of Key Applications
- Exhibit 33 Food Industry Trend Snapshot
- Exhibit 34 Food Products Growth Momentum and Market Share



- Exhibit 35 Incremental Growth of Key Food Segments
- Exhibit 36 Global Food Active & Intelligent Packaging Market 2018–2024 (\$ billion)
- Exhibit 37 Global Market by Meat, Poultry, & Seafood 2018–2024 (\$ million)
- Exhibit 38 Global Market by Fruits & Vegetables 2018–2024 (\$ million)
- Exhibit 39 Global Market by Dairy 2018–2024 (\$ million)
- Exhibit 40 Global Market by Bakery & Confectionery 2018–2024 (\$ million)
- Exhibit 41 Global Market by RTE Food 2018–2024 (\$ million)
- Exhibit 42 Global Market by Other Foods 2018–2024 (\$ million)
- Exhibit 43 Global Beverages Active & Intelligent Packaging Market 2018–2024 (\$ billion)
- Exhibit 44 Healthcare Industry Snapshot
- Exhibit 45 Global Healthcare Active & Intelligent Packaging Market 2018–2024 (\$ billion)
- Exhibit 46 Global Market by Other Applications 2018–2024 (\$ billion)
- Exhibit 47 Incremental Growth by Geography 2018–2024
- Exhibit 48 Active & Intelligent Packaging Market in APAC 2018–2024 (\$ billion)
- Exhibit 49 Incremental Growth in APAC 2018–2024
- Exhibit 50 Active & Intelligent Packaging Market in China 2018–2024 (\$ million)
- Exhibit 51 Active & Intelligent Packaging Market in Japan 2018–2024 (\$ million)
- Exhibit 52 Packaging Market in Australia (Share of packs) 2018
- Exhibit 53 Active & Intelligent Packaging Market in Australia 2018–2024 (\$ million)
- Exhibit 54 Active & Intelligent Packaging Market in India 2018–2024 (\$ million)
- Exhibit 55 Active & Intelligent Packaging Market in South Korea 2018–2024 (\$ million)
- Exhibit 56 Active & Intelligent Packaging Market in Singapore 2018–2024 (\$ million)
- Exhibit 57 Active & Intelligent Packaging Market in Europe 2018–2024 (\$ billion)
- Exhibit 59 Incremental Growth in Europe 2018–2024
- Exhibit 60 Packaging Market in Germany (Share of Packs) 2018
- Exhibit 61 Active & Intelligent Packaging Market in Germany 2018–2024 (\$ billion)
- Exhibit 62 Active & Intelligent Packaging France 2018–2024 (\$ billion)
- Exhibit 63 Active & Intelligent Packaging Market in UK 2018–2024 (\$ billion)
- Exhibit 64 Active & Intelligent Packaging Market in Italy 2018–2024 (\$ billion)
- Exhibit 65 Active & Intelligent Packaging Market in Spain 2018–2024 (\$ billion)
- Exhibit 66 Active & Intelligent Packaging Market in North America 2018–2024 (\$ billion)
- Exhibit 67 Incremental Growth in North America 2018–2024
- Exhibit 68 Active & Intelligent Packaging Market in US 2018–2024 (\$ billion)
- Exhibit 69 Active & Intelligent Packaging Market in Canada 2018–2024 (\$ billion)
- Exhibit 70 Active & Intelligent Packaging Market in MEA 2018–2024 (\$ billion)
- Exhibit 71 Incremental Growth in North America 2018–2024
- Exhibit 72 Active & Intelligent Packaging Market in Turkey 2018–2024 (\$ million)
- Exhibit 73 Active & Intelligent Packaging market in Saudi Arabia 2018–2024 (\$ million)

Exhibit 74 Active and Intelligent Packaging Market in South Africa 2018–2024 (\$ millions)

Exhibit 75 Active & Intelligent Packaging Market in Egypt 2018–2024 (\$ million)

Exhibit 76 Active & Intelligent Packaging Market in UAE 2018–2024 (\$ million)

Exhibit 77 Active & Intelligent Packaging Market in Latin America 2018–2024 (\$ billion)

Exhibit 78 Incremental Growth in Latin America 2018–2024

Exhibit 79 Volume Share of Packaging in Mexico 2017

Exhibit 80 Active & Intelligent Packaging Market in Mexico 2018–2024 (\$ million)

Exhibit 81 Active & Intelligent Packaging Market in Brazil 2018–2024 (\$ million)

Exhibit 82 Active & Intelligent Packaging Market in Argentina 2018–2024 (\$ million)

Exhibit 83 Active & Intelligent Packaging Market in Chile 2018–2024 (\$ million)

## List Of Tables

### LIST OF TABLES

Table 1 Key Caveats

Table 2 Currency Conversion 2013–2018

Table 3 Types of Gas Scavengers

Table 4 Moisture Control Oxidation and Application

Table 5 Flavor/Odor Control Oxidation and Application

Table 6 Retail Industry China

Table 7 Packaging Spend and GDP

Table 8 Market in APAC by Packaging Type 2018–2024 (\$ billion)

Table 9 Market in APAC by Application Type 2018–2024 (\$ billion)

Table 10 Market in Europe by Packaging Type 2018–2024 (\$ billion)

Table 11 Market in Europe by Application Type 2018–2024 (\$ billion)

Table 12 Market in North America by Packaging Type 2018–2024 (\$ billion)

Table 13 Market in North America by Application Type 2018–2024 (\$ billion)

Table 14 Market in MEA by Packaging Type 2018–2024 (\$ million)

Table 15 Market in MEA by Application Type 2018–2024 (\$ million)

Table 16 Latin America by Key Macroeconomic Factors 2017

Table 17 Market in Latin America by Packaging Type 2018–2024 (\$ million)

Table 18 Market in Latin America by Application Type 2018–2024 (\$ million)

Table 19 Production Value of Packaging (\$ billions)

Table 20 Avery Dennison: Product Offerings

Table 21 DuPont: Product Offerings

Table 22 Stora Enso: Product Offerings

Table 23 Timestrip: Product Offerings

Table 24 Thinfilm Electronics: Product Offerings

Table 25 Amcor: Key Product Offerings

Table 26 Bemis: Key Product Offerings

Table 27 Sonoco Thermosafe: Key Product Offerings

Table 28 Sealed Air: Key Product Offerings

Table 29 Westrock: Key Product Offerings

Table 30 Mitsubishi Gas: Key Product Offerings

Table 31 Tropack Packmittal GmbH: Key Product Offerings

Table 32 Cryolog: Key Product Offerings

Table 33 Crown: Key Product Offerings

Table 34 Graphic Packaging: Key Product Offerings

Table 35 TC Transcontinental: Key Product Offerings

Table 36 Dessicare: Key Product Offerings

Table 37 Global Active & Intelligent Packaging Market by Packaging Type (\$ billion)

Table 38 Global Active & Intelligent Packaging Market by Packaging Type (%)

Table 39 Global Active & Intelligent Packaging Market by Application (\$ billion)

Table 40 Global Active & Intelligent Packaging Market by Applications (%)

Table 41 Global Active Packaging Market by Packaging System Type (\$ billion)

Table 42 Global Active Packaging Market by Packaging System Type (%)

Table 43 Global Intelligent Packaging Market by Packaging System Type (\$ million)

Table 44 Global Intelligent Packaging Market by Packaging System Type (%)

Table 45 Global Active & Intelligent Packaging Market by Geography (\$ billion)

Table 46 Global Active & Intelligent Packaging Market by Geography (%)

Table 47 Market in APAC by Packaging Type 2018–2024 (\$ billion)

Table 48 Market in APAC by Application Type 2018–2024 (\$ billion)

Table 49 Market in Europe by Packaging Type 2018–2024 (\$ billion)

Table 50 Market in Europe by Application Type 2018–2024 (\$ billion)

Table 51 Market in North America by Packaging Type 2018–2024 (\$ billion)

Table 52 Market in North America by Application Type 2018–2024 (\$ billion)

Table 53 Market in MEA by Packaging Type 2018–2024 (\$ million)

Table 54 Market in MEA by Application Type 2018–2024 (\$ million)

Table 55 Market in Latin America by Packaging Type 2018–2024 (\$ million)

Table 56 Market in Latin America by Application Type 2018–2024 (\$ million)

## I would like to order

Product name: Active and Intelligent Packaging Market - Global Outlook and Forecast 2019-2024

Product link: <https://marketpublishers.com/r/AC502BFBDA6EN.html>

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AC502BFBDA6EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970