

Flexible Electronics Market By Component (Flexible Display [OLED, E-paper, and LCD], Flexible Battery, Flexible Sensor [Bio Sensors, CMOS Hybrid Sensors, Photo Detectors, Piezo Resistive, and Others], Flexible Memory, and Flexible Photovoltaics) and Application (Consumer Electronics, Automotive, Medical & Healthcare, Energy & Power, Aerospace & Defense, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The global flexible electronics market was valued at \$23.64 billion in 2019, and is projected to reach \$42.48 billion by 2027, registering a CAGR of 7.4% from 2020 to 2027. Flexible electronics is a potential method of creating intelligent, scalable products, with several new applications such as wearable electronics. The flexibility in the substrate, faster manufacturing process of printable circuits, and the reduced risk of disposal after use are some of the drivers of flexible electronics in the current scenario.

The flexible electronics market is expected to witness growth during the forecast period due to growth in sales of Internet of Things (IoT) devices and increase in concern of government for flexible electronics. Furthermore, rise in demand for portable and smart electronics products is expected to drive the market growth. Moreover, growth in printed electronics further accelerates the market growth, creating lucrative opportunities for various applications. Considering these factors, it is estimated that the flexible electronics market experiences steep growth in the near future.

The global flexible electronics market is analyzed by component, application, and

region. Based on component, it is fragmented into flexible display, flexible battery, flexible sensor, flexible memory, and flexible photovoltaics. The flexible segment is further classified into OLED, e-paper, and LCD. In addition, the flexible sensor segment is further categorized into bio sensors, CMOS hybrid sensors, photo detectors, piezo resistive, and others.

By application, the market is divided into consumer electronics, automotive, medical & healthcare, energy & power, aerospace & defense, and others. Based on region, the global acoustic emission equipment market is analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, Italy, and rest of Europe), Asia-Pacific (China, India, Japan, South Korea, and rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa).

The key players operating in the market include Samsung Electronics Co. Ltd., Solar Frontier, Palo Alto Research Center Incorporated, LG Corporation, Cymbet Corporation, Blue Spark Technologies, Enfucell Flexible Electronics Co. Ltd., Imprint Energy, E Ink Holdings, and AU Optronics.

Flexible Electronics Market Key Segments

By Component

Flexible Display

OLED

E-paper

LCD

Flexible Battery

Flexible Sensor

Bio Sensors

CMOS Hybrid Sensors

Photo Detectors

Piezo Resistive

Others

Flexible Memory

Photovoltaics

By Application

Consumer Electronics

Automotive

Medical & Healthcare

Energy & Power

Aerospace and Defense

Others

By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players

Samsung Electronics Co. Ltd.

Solar Frontier

Palo Alto Research Center Incorporated

LG Corporation

Cymbet Corporation

Blue Spark Technologies

Enfucell

Imprint Energy

E Ink Holdings

AU Optronics

List of Company Profiles

Competitive analysis and profiles of the major flexible electronics market players such as Samsung Electronics Co. Ltd., Solar Frontier, Palo Alto Research Center Incorporated, LG Corporation, Cymbet Corporation, Blue Spark Technologies, Enfucell Flexible Electronics Co. Ltd., Imprint Energy, E Ink Holdings, and AU Optronics are provided in this report.

Contents

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key benefits for stakeholders
- 1.3.Key market segments
- 1.4.Research methodology
 - 1.4.1.Primary research
 - 1.4.2.Secondary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.CXO perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
 - 3.2.1.Top impacting factors
 - 3.2.2.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Patent analysis
 - 3.4.1.By region (2017-2020)
 - 3.4.2.By applicant
- 3.5.Market share analysis, 2019
- 3.6.Market dynamics
 - 3.6.1.Drivers
 - 3.6.1.1.Rise in implementation of Internet of Things (IoT)
 - 3.6.1.2.Increase in concern of government for flexible electronics
 - 3.6.1.3.Rise in demand for portable and smart electronic products
 - 3.6.2.Restraints
 - 3.6.2.1.Cost constraint
 - 3.6.3.Opportunity
 - 3.6.3.1.Growth in printed electronics
- 3.7.COVID Impact
 - 3.7.1.Impact on market size
 - 3.7.2.End user trends, preferences, and budget impact

CHAPTER 4:FLEXIBLE ELECTRONICS MARKET, BY COMPONENT

- 4.1.Overview
- 4.2.Flexible display
 - 4.2.1.Key market trends, growth factors, and opportunities
 - 4.2.2.Market size and forecast, by region
 - 4.2.3.Market analysis, by country
 - 4.2.4.OLED
 - 4.2.5.E-paper
 - 4.2.6.LCD
- 4.3.Flexible battery
 - 4.3.1.Key market trends, growth factors, and opportunities
 - 4.3.2.Market size and forecast, by region
 - 4.3.3.Market analysis, by country
- 4.4.Flexible sensors
 - 4.4.1.Key market trends, growth factors, and opportunities
 - 4.4.2.Market size and forecast, by region
 - 4.4.3.Market analysis, by country
 - 4.4.4.Bio sensors
 - 4.4.5.CMOS hybrid sensors
 - 4.4.6.Photo detectors
 - 4.4.7.Piezo resistive
 - 4.4.8.Others
- 4.5.Flexible memory
 - 4.5.1.Key market trends, growth factors, and opportunities
 - 4.5.2.Market size and forecast, by region
 - 4.5.3.Market analysis, by country
- 4.6.Flexible photovoltaics
 - 4.6.1.Key market trends, growth factors, and opportunities
 - 4.6.2.Market size and forecast, by region
 - 4.6.3.Market analysis, by country

CHAPTER 5:FLEXIBLE ELECTRONICS MARKET, BY APPLICATION

- 5.1.Overview
- 5.2.Consumer electronics
 - 5.2.1.Key market trends, growth factors, and opportunities
 - 5.2.2.Market size and forecast, by region

- 5.2.3. Market analysis, by country
- 5.3. Automotive
 - 5.3.1. Key market trends, growth factors, and opportunities
 - 5.3.2. Market size and forecast, by region
 - 5.3.3. Market analysis, by country
- 5.4. Medical and healthcare
 - 5.4.1. Key market trends, growth factors, and opportunities
 - 5.4.2. Market size and forecast, by region
 - 5.4.3. Market analysis, by country
- 5.5. Energy & power
 - 5.5.1. Key market trends, growth factors, and opportunities
 - 5.5.2. Market size and forecast, by region
 - 5.5.3. Market analysis, by country
- 5.6. Aerospace & defense
 - 5.6.1. Key market trends, growth factors, and opportunities
 - 5.6.2. Market size and forecast, by region
 - 5.6.3. Market analysis, by country
- 5.7. Others
 - 5.7.1. Key market trends, growth factors, and opportunities
 - 5.7.2. Market size and forecast, by region
 - 5.7.3. Market analysis, by country

CHAPTER 6: FLEXIBLE ELECTRONICS MARKET, BY REGION

- 6.1. Overview
- 6.2. North America
 - 6.2.1. Key market trends, growth factors, and opportunities
 - 6.2.2. Market size and forecast, by component
 - 6.2.3. Market size and forecast, by application
 - 6.2.4. Market analysis, by country
 - 6.2.4.1. U.S.
 - 6.2.4.1.1. Market size and forecast, by component
 - 6.2.4.1.2. Market size and forecast, by application
 - 6.2.4.2. Canada
 - 6.2.4.2.1. Market size and forecast, by component
 - 6.2.4.2.2. Market size and forecast, by application
 - 6.2.4.3. Mexico
 - 6.2.4.3.1. Market size and forecast, by component
 - 6.2.4.3.2. Market size and forecast, by application

6.3. Europe

6.3.1. Key market trends, growth factors, and opportunities

6.3.2. Market size and forecast, by component

6.3.3. Market size and forecast, by application

6.3.4. Market analysis, by country

6.3.4.1. UK

6.3.4.1.1. Market size and forecast, by component

6.3.4.1.2. Market size and forecast, by application

6.3.4.2. Germany

6.3.4.2.1. Market size and forecast, by component

6.3.4.2.2. Market size and forecast, by application

6.3.4.3. France

6.3.4.3.1. Market size and forecast, by component

6.3.4.3.2. Market size and forecast, by application

6.3.4.4. Italy

6.3.4.4.1. Market size and forecast, by component

6.3.4.4.2. Market size and forecast, by application

6.3.4.5. Rest of Europe

6.3.4.5.1. Market size and forecast, by component

6.3.4.5.2. Market size and forecast, by application

6.4. Asia-Pacific

6.4.1. Key market trends, growth factors, and opportunities

6.4.2. Market size and forecast, by component

6.4.3. Market size and forecast, by application

6.4.4. Market analysis, by country

6.4.4.1. China

6.4.4.1.1. Market size and forecast, by component

6.4.4.1.2. Market size and forecast, by application

6.4.4.2. Japan

6.4.4.2.1. Market size and forecast, by component

6.4.4.2.2. Market size and forecast, by application

6.4.4.3. India

6.4.4.3.1. Market size and forecast, by component

6.4.4.3.2. Market size and forecast, by application

6.4.4.4. South Korea

6.4.4.4.1. Market size and forecast, by component

6.4.4.4.2. Market size and forecast, by application

6.4.4.5. Rest of Asia-Pacific

6.4.4.5.1. Market size and forecast, by component

6.4.4.5.2. Market size and forecast, by application

6.5. LAMEA

6.5.1. Key market trends, growth factors, and opportunities

6.5.2. Market size and forecast, by component

6.5.3. Market size and forecast, by application

6.5.4. Market analysis, by country

6.5.4.1. Latin America

6.5.4.1.1. Market size and forecast, by component

6.5.4.1.2. Market size and forecast, by application

6.5.4.2. Middle East

6.5.4.2.1. Market size and forecast, by component

6.5.4.2.2. Market size and forecast, by application

6.5.4.3. Africa

6.5.4.3.1. Market size and forecast, by component

6.5.4.3.2. Market size and forecast, by Application

CHAPTER 7: COMPETITIVE LANDSCAPE

7.1. Introduction

7.1.1. Market player positioning, 2019

7.2. Key developments

7.2.1. New product launches

7.2.2. Other Developments

CHAPTER 8: COMPANY PROFILES

8.1. AU OPTRONICS CORP.

8.1.1. Company overview

8.1.2. Key executive

8.1.3. Company snapshot

8.1.4. Operating business segments

8.1.5. Product portfolio

8.1.6. R&D expenditure

8.1.7. Business performance

8.2. BLUE SPARK TECHNOLOGIES

8.2.1. Company overview

8.2.2. Key executives

8.2.3. Company snapshot

8.2.4. Operating business segments

- 8.2.5.Product portfolio
- 8.3.CYMBET CORPORATION
 - 8.3.1.Company overview
 - 8.3.2.Key executives
 - 8.3.3.Company snapshot
 - 8.3.4.Operating business segments
 - 8.3.5.Product portfolio
 - 8.3.6.Key strategic moves and developments
- 8.4.E INK HOLDINGS INC.
 - 8.4.1.Company overview
 - 8.4.2.Key executive
 - 8.4.3.Operating business segments
 - 8.4.4.Product portfolio
 - 8.4.5.R&D expenditure
 - 8.4.6.Business performance
 - 8.4.7.Key strategic moves and developments
- 8.5.ENFUCELL SOFTBATTERY
 - 8.5.1.Company overview
 - 8.5.2.Key Executive
 - 8.5.3.Company snapshot
 - 8.5.4.Operating business segments
 - 8.5.5.Product portfolio
- 8.6.IMPRINT ENERGY INC.
 - 8.6.1.Company overview
 - 8.6.2.Key executives
 - 8.6.3.Company snapshot
 - 8.6.4.Operating business segments
 - 8.6.5.Product portfolio
 - 8.6.6.Key strategic moves and developments
- 8.7.LG ELECTRONICS
 - 8.7.1.Company overview
 - 8.7.2.Key executive
 - 8.7.3.Company snapshot
 - 8.7.4.Operating business segments
 - 8.7.5.Product portfolio
 - 8.7.6.R&D expenditure
 - 8.7.7.Business performance
 - 8.7.8.Key strategic moves and developments
- 8.8.PALO ALTO RESEARCH CENTER INCORPORATED

- 8.8.1. Company overview
- 8.8.2. Key executive
- 8.8.3. Company snapshot
- 8.8.4. Operating business segments
- 8.8.5. Product portfolio
- 8.9. SAMSUNG ELECTRONICS CO. LTD.
 - 8.9.1. Company overview
 - 8.9.2. Key executive
 - 8.9.3. Company snapshot
 - 8.9.4. Operating business segments
 - 8.9.5. Product portfolio
 - 8.9.6. R&D expenditure
 - 8.9.7. Business performance
 - 8.9.8. Key strategic moves and developments
- 8.10. SOLAR FRONTIER
 - 8.10.1. Company overview
 - 8.10.2. Key Executive
 - 8.10.3. Company snapshot
 - 8.10.4. Operating business segments
 - 8.10.5. Product portfolio

List Of Tables

LIST OF TABLES

- TABLE 01.FLEXIBLE ELECTRONICS IN VARIOUS APPLICATION SECTOR
- TABLE 02.FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE DISPLAY, BY REGION, 2019-2027 (\$MILLION)
- TABLE 03.FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE DISPLAY, BY SUB-SEGMENT, 2019-2027 (\$MILLION)
- TABLE 04.FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE BATTERY, BY REGION 2019-2027 (\$MILLION)
- TABLE 05.FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE SENSORS, BY REGION 2019-2027 (\$MILLION)
- TABLE 06.FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE SENSORS, BY SUB-SEGMENT 2019-2027 (\$MILLION)
- TABLE 07.FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE MEMORY, BY REGION 2019-2027 (\$MILLION)
- TABLE 08.FLEXIBLE ELECTRONICS MARKET FOR PHOTOVOLTAICS, BY REGION 2019-2027 (\$MILLION)
- TABLE 09.GLOBAL FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019-2027(\$MILLION)
- TABLE 10.FLEXIBLE ELECTRONICS MARKET FOR CONSUMER ELECTRONICS, BY REGION 2019-2027 (\$MILLION)
- TABLE 11.FLEXIBLE ELECTRONICS MARKET FOR AUTOMOTIVE, BY REGION 2019-2027 (\$MILLION)
- TABLE 12.FLEXIBLE ELECTRONICS MARKET FOR MEDICAL AND HEALTHCARE, BY REGION 2019-2027 (\$MILLION)
- TABLE 13.FLEXIBLE ELECTRONICS MARKET FOR ENERGY AND POWER, BY REGION 2019-2027 (\$MILLION)
- TABLE 14.FLEXIBLE ELECTRONICS MARKET FOR AEROSPACE AND DEFENSE, BY REGION 2019-2027 (\$MILLION)
- TABLE 15.FLEXIBLE ELECTRONICS MARKET FOR OTHERS, BY REGION 2019-2027 (\$MILLION)
- TABLE 16.FLEXIBLE ELECTRONICS MARKET REVENUE, BY REGION, 2019–2027 (\$MILLION)
- TABLE 17.NORTH AMERICA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)
- TABLE 18.NORTH AMERICA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 19.U.S. FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 20.U.S. FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 21.CANADA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 22.CANADA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 23.MEXICO FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 24.MEXICO FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 25.EUROPE FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 26.EUROPE FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 27.UK FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 28.UK FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 29.GERMANY FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 30.GERMANY FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 31.FRANCE FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 32.FRANCE FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 33.ITALY FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 34.ITALY FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 35.REST OF EUROPE FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 36.REST OF EUROPE FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 37.ASIA-PACIFIC FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 38.ASIA-PACIFIC FLEXIBLE ELECTRONICS MARKET, BY APPLICATION,

2019–2027 (\$MILLION)

TABLE 39.CHINA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 40.CHINA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 41.JAPAN FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 42.JAPAN FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 43.INDIA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 44.INDIA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 45.SOUTH KOREA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 46.SOUTH KOREA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 47.REST OF ASIA-PACIFIC FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 48.REST OF ASIA-PACIFIC FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 49.LAMEA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 50.LAMEA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 51.LATIN AMERICA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 52.LATIN AMERICA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 53.MIDDLE EAST FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 54.MIDDLE EAST FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 55.AFRICA FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 56.AFRICA FLEXIBLE ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 57.KEY NEW PRODUCT LAUNCHES (2017-2019)

TABLE 58.OTHER DEVELOPMENTS (2017 – 2019)

TABLE 59.AU OPTRONICS CORP.: KEY EXECUTIVES

TABLE 60.AU OPTRONICS CORP.: COMPANY SNAPSHOT

TABLE 61.AU OPTRONICS CORP.: OPERATING SEGMENTS

TABLE 62.AU OPTRONICS CORP.: PRODUCT PORTFOLIO

TABLE 63.BLUE SPARK TECHNOLOGIES: KEY EXECUTIVES

TABLE 64.BLUE SPARK TECHNOLOGIES: COMPANY SNAPSHOT

TABLE 65.BLUE SPARK TECHNOLOGIES: OPERATING SEGMENTS

TABLE 66.BLUE SPARK TECHNOLOGIES: PRODUCT PORTFOLIO

TABLE 67.CYMBET CORPORATION: KEY EXECUTIVES

TABLE 68.CYMBET CORPORATION: COMPANY SNAPSHOT

TABLE 69.CYMBET CORPORATION: OPERATING SEGMENTS

TABLE 70.CYMBET CORPORATION: PRODUCT PORTFOLIO

TABLE 71.E INK HOLDINGS INC: KEY EXECUTIVES

TABLE 72.E INK HOLDINGS INC.: COMPANY SNAPSHOT

TABLE 73.E INK HOLDINGS INC.: OPERATING SEGMENTS

TABLE 74.E INK HOLDINGS INC.: PRODUCT PORTFOLIO

TABLE 75.E INK HOLDINGS INC.: R&D EXPENDITURE, 2016–2018 (\$MILLION)

TABLE 76.E INK HOLDINGS INC.: NET SALES, 2016–2018 (\$MILLION)

TABLE 77.E INK HOLDINGS INC: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 78.ENFUCELL: KEY EXECUTIVES

TABLE 79.ENFUCELL: COMPANY SNAPSHOT

TABLE 80.ENFUCELL.: OPERATING SEGMENTS

TABLE 81.ENFUCELL: PRODUCT PORTFOLIO

TABLE 82.IMPRINT ENERGY INC.:KEY EXECUTIVES

TABLE 83.IMPRINT ENERGY INC.: COMPANY SNAPSHOT

TABLE 84.IMPRINT ENERGY INC.: OPERATING SEGMENTS

TABLE 85.IMPRINT ENERGY INC.: PRODUCT PORTFOLIO

TABLE 86.LG ELECTRONICS: KEY EXECUTIVES

TABLE 87.LG ELECTRONICS.: COMPANY SNAPSHOT

TABLE 88.LG ELECTRONICS.: OPERATING SEGMENTS

TABLE 89.LG ELECTRONICS.: PRODUCT PORTFOLIO

TABLE 90.LG ELECTRONICS: R&D EXPENDITURE, 2016–2018 (\$MILLION)

TABLE 91.LG ELECTRONICS: NET SALES, 2016–2018 (\$MILLION)

TABLE 92.LG ELECTRONICS.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 93.PALO ALTO RESEARCH CENTER INCORPORATED: KEY EXECUTIVES

TABLE 94.PALO ALTO RESEARCH CENTER INCORPORATED: COMPANY SNAPSHOT

TABLE 95.PALO ALTO RESEARCH CENTER INCORPORATED: OPERATING SEGMENTS

TABLE 96.PALO ALTO RESEARCH CENTER INCORPORATED: PRODUCT PORTFOLIO

TABLE 97.SAMSUNG ELECTRONICS CO. LTD.: KEY EXECUTIVES

TABLE 98.SAMSUNG ELECTRONICS CO. LTD.: COMPANY SNAPSHOT

TABLE 99.SAMSUNG ELECTRONICS CO. LTD.: OPERATING SEGMENTS

TABLE 100.SAMSUNG ELECTRONICS CO. LTD.: PRODUCT PORTFOLIO

TABLE 101.SAMSUNG ELECTRONICS CO. LTD.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 102.SOLAR FRONTIER.: KEY EXECUTIVES

TABLE 103.SOLAR FRONTIER: COMPANY SNAPSHOT

TABLE 104.SOLAR FRONTIER: OPERATING SEGMENTS

TABLE 105.SOLAR FRONTIER: PRODUCT PORTFOLIO

List Of Figures

LIST OF FIGURES

- FIGURE 01.KEY MARKET SEGMENTS
- FIGURE 02.EXECUTIVE SUMMARY, BY SEGMENTATION
- FIGURE 03.EXECUTIVE SUMMARY, BY REGION
- FIGURE 04.BENEFITS OF FLEXIBLE ELECTRONICS
- FIGURE 05.TOP IMPACTING FACTORS
- FIGURE 06.TOP INVESTMENT POCKETS
- FIGURE 07.LOW TO MODERATE BARGAINING POWER OF SUPPLIERS
- FIGURE 08.MODERATE THREAT OF NEW ENTRANTS
- FIGURE 09.LOW TO MODERATE THREAT OF SUBSTITUTES
- FIGURE 10.LOW TO MODERATE INTENSITY OF RIVALRY
- FIGURE 11.LOW BARGAINING POWER OF BUYERS
- FIGURE 12.PATENT ANALYSIS, BY COUNTRY
- FIGURE 13.PATENT ANALYSIS, BY APPLICANT
- FIGURE 14.GLOBAL FLEXIBLE ELECTRONICS MARKET SHARE, BY COMPONENT, 2019–2027 (%)
- FIGURE 15.GLOBAL FLEXIBLE ELECTRONICS MARKET, BY COMPONENT, 2019-2027 (\$MILLION)
- FIGURE 16.COMPARATIVE SHARE ANALYSIS FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE DISPLAY, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 17.COMPARATIVE SHARE ANALYSIS FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE BATTERY, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 18.COMPARATIVE SHARE ANALYSIS FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE SENSORS, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 19.COMPARATIVE SHARE ANALYSIS FLEXIBLE ELECTRONICS MARKET FOR FLEXIBLE MEMORY, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 20.COMPARATIVE SHARE ANALYSIS FLEXIBLE ELECTRONICS MARKET FOR PHOTOVOLTAICS, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 21.GLOBAL FLEXIBLE ELECTRONICS MARKET SHARE, BY APPLICATION, 2019–2027 (%)
- FIGURE 22.COMPARATIVE SHARE ANALYSIS OF FLEXIBLE ELECTRONICS MARKET FOR CONSUMER ELECTRONICS, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 23.COMPARATIVE SHARE ANALYSIS OF FLEXIBLE ELECTRONICS MARKET FOR AUTOMOTIVE, BY COUNTRY, 2019 & 2027 (%)
- FIGURE 24.COMPARATIVE SHARE ANALYSIS OF FLEXIBLE ELECTRONICS MARKET FOR MEDICAL AND HEALTHCARE, BY COUNTRY, 2019 & 2027 (%)

FIGURE 25.COMPARATIVE SHARE ANALYSIS OF FLEXIBLE ELECTRONICS MARKET FOR ENERGY AND POWER, BY COUNTRY, 2019 & 2027 (%)

FIGURE 26.COMPARATIVE SHARE ANALYSIS OF FLEXIBLE ELECTRONICS MARKET FOR AEROSPACE AND DEFENSE, BY COUNTRY, 2019 & 2027 (%)

FIGURE 27.COMPARATIVE SHARE ANALYSIS OF FLEXIBLE ELECTRONICS MARKET FOR OTHERS, BY COUNTRY, 2019 & 2027 (%)

FIGURE 28.FLEXIBLE ELECTRONICS MARKET, BY REGION, 2019-2027 (%)

FIGURE 29.COMPARATIVE SHARE ANALYSIS OF NORTH AMERICA FLEXIBLE ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 30.U.S. FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 31.CANADA FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 32.MEXICO FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 33.COMPARATIVE SHARE ANALYSIS OF EUROPE FLEXIBLE ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 34.UK FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 35.GERMANY FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 36.FRANCE FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 37.ITALY FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 38.REST OF EUROPE FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 39.COMPARATIVE SHARE ANALYSIS OF ASIA-PACIFIC FLEXIBLE ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 40.CHINA FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 41.JAPAN FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 42.INDIA FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 43.SOUTH KOREA FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 44.REST OF ASIA-PACIFIC FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 45.COMPARATIVE SHARE ANALYSIS OF LAMEA FLEXIBLE ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 46.LATIN AMERICA FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 47.MIDDLE EAST FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 48.AFRICA FLEXIBLE ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 49.MARKET PLAYER POSITIONING, 2019

FIGURE 50.AU OPTRONICS CORP.: R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 51.AU OPTRONICS CORP.: NET SALES, 2017–2019 (\$MILLION)

FIGURE 52.AU OPTRONICS CORP.: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 53.AU OPTRONICS CORP.: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 54.E INK HOLDINGS INC: R&D EXPENDITURE, 2016–2018 (\$MILLION)

FIGURE 55.E INK HOLDINGS INC.: NET SALES, 2016–2018 (\$MILLION)

FIGURE 56.E INK HOLDINGS INC.: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 57.E INK HOLDINGS INC.: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 58.R&D EXPENDITURE, 2016–2018 (\$MILLION)

FIGURE 59.LG ELECTRONICS.: NET SALES, 2016–2018 (\$MILLION)

FIGURE 60.LG ELECTRONICS.: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 61.LG ELECTRONICS.: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 62.R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 63.SAMSUNG ELECTRONICS CO. LTD.: NET SALES, 2017–2019
(\$MILLION)

FIGURE 64.SAMSUNG ELECTRONICS CO. LTD.: REVENUE SHARE BY SEGMENT,
2018 (%)

FIGURE 65.SAMSUNG ELECTRONICS CO. LTD.: REVENUE SHARE BY REGION,
2018 (%)

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