

Global Roll-to-Roll Technology for Flexible Devices Market Size study & Forecast, by Type (Circuit Devices, Optoelectronic Devices, Photovoltaic Devices, Sensors and Other Devices) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G45D5C429FF0EN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G45D5C429FF0EN

Abstracts

Global Roll-to-Roll Technology for Flexible Devices Market is valued approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2029. The Roll-to-roll (R2R) technology is a manufacturing process used to produce flexible electronic devices such as solar cells, touch screens, and thin-film batteries. The process involves continuously feeding a flexible substrate, such as a polymer film, through a series of processing steps, including printing, coating, and deposition of various materials, to create a functional device. The key factor driving the market growth is increased demand for flexible electronics, and advancements in Roll-to-Roll manufacturing technology that anticipated to create the lucrative demand for the market.

Moreover, the rising demand for the flexible electronics devices is anticipated to create the lucrative demand for the market. For instance, in Jan. 2022, LG Display presented its flexible OLED solutions in concept form, which include the Virtual Ride indoor stationary bicycle and the Media Chair incorporated entertainment center, ahead of CES 2022. Also, in June 2021, Samsung revealed the creation of a completely flexible OLED display that can stick to and follow the surface of the skin. Samsung produced individual OLED pixels that are ridged but rest on a flexible elastomer surface in order to make a flexible display. A flexible material is used to make the connections between the OLEDs and the traces that connect the display to the driver system. Additionally, rising adoption of consumer electronic devices and growing electronic industry is anticipated to create the lucrative opportunity for the market during forecast period. However, the

threat from substitute technologies stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Roll to Roll Technology for Flexible Devices Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the dominating region across the world in terms of market share, owing to the presence of key market players, growing demand for the flexible electronic devices in the region. Whereas, Asia Pacific is also anticipated to exhibit highest growth rate over the forecast period, owing to factors such as growing electronic industry, and rise in the consumer disposable income in the region would create lucrative growth prospects for the Roll-to-Roll Technology for Flexible Devices market across Asia Pacific region.

Major market player included in this report are:

3M Company

Acreo Swedish ICT AB

Ascent Solar Technologies Inc.

Avery Dennison Corporation

E Ink Holdings Inc.

Flexium Interconnect Inc.

Fujikura Ltd.

Johnson Electric Holdings Limited

Kent Displays, Inc.

Konica Minolta Business Solutions Europe GmbH

Recent Developments in the Market:

In 2020, LG announced that it had developed a new R2R process for the mass production of flexible OLED displays. This technology uses a plastic substrate that can be rolled up, making it ideal for use in wearable devices and other flexible products.

Global Roll to Roll Technology for Flexible Devices Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working

hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Circuit Devices

Optoelectronic Devices

Photovoltaic Devices

Sensors

Other Devices

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Roll-to-Roll Technology for Flexible Devices Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Roll-to-Roll Technology for Flexible Devices Market, by Type, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ROLL-TO-ROLL TECHNOLOGY FOR FLEXIBLE DEVICES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL ROLL-TO-ROLL TECHNOLOGY FOR FLEXIBLE DEVICES MARKET DYNAMICS

- 3.1. Roll-to-Roll Technology for Flexible Devices Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increased demand for flexible electronics
 - 3.1.1.2. Advancements in Roll-to-Roll manufacturing technology
 - 3.1.2. Market Challenges
 - 3.1.2.1. Threat from substitute technologies
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising adoption of consumer electronic devices
 - 3.1.3.2. Growing electronic industry

CHAPTER 4. GLOBAL ROLL-TO-ROLL TECHNOLOGY FOR FLEXIBLE DEVICES MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL ROLL-TO-ROLL TECHNOLOGY FOR FLEXIBLE DEVICES MARKET, BY TYPE

- 6.1. Market Snapshot
- 6.2. Global Roll-to-Roll Technology for Flexible Devices Market by Type, Performance - Potential Analysis
- 6.3. Global Roll-to-Roll Technology for Flexible Devices Market Estimates & Forecasts by Type 2019-2029 (USD Billion)
- 6.4. Roll-to-Roll Technology for Flexible Devices Market, Sub Segment Analysis
 - 6.4.1. Circuit Devices
 - 6.4.2. Optoelectronic Devices
 - 6.4.3. Photovoltaic Devices
 - 6.4.4. Sensors
 - 6.4.5. Other Devices

CHAPTER 7. GLOBAL ROLL-TO-ROLL TECHNOLOGY FOR FLEXIBLE DEVICES

MARKET, REGIONAL ANALYSIS

- 7.1. Roll-to-Roll Technology for Flexible Devices Market, Regional Market Snapshot
- 7.2. North America Roll-to-Roll Technology for Flexible Devices Market
 - 7.2.1. U.S. Roll-to-Roll Technology for Flexible Devices Market
 - 7.2.1.1. Type breakdown estimates & forecasts, 2019-2029
 - 7.2.2. Canada Roll-to-Roll Technology for Flexible Devices Market
- 7.3. Europe Roll-to-Roll Technology for Flexible Devices Market Snapshot
 - 7.3.1. U.K. Roll-to-Roll Technology for Flexible Devices Market
 - 7.3.2. Germany Roll-to-Roll Technology for Flexible Devices Market
 - 7.3.3. France Roll-to-Roll Technology for Flexible Devices Market
 - 7.3.4. Spain Roll-to-Roll Technology for Flexible Devices Market
 - 7.3.5. Italy Roll-to-Roll Technology for Flexible Devices Market
 - 7.3.6. Rest of Europe Roll-to-Roll Technology for Flexible Devices Market
- 7.4. Asia-Pacific Roll-to-Roll Technology for Flexible Devices Market Snapshot
 - 7.4.1. China Roll-to-Roll Technology for Flexible Devices Market
 - 7.4.2. India Roll-to-Roll Technology for Flexible Devices Market
 - 7.4.3. Japan Roll-to-Roll Technology for Flexible Devices Market
 - 7.4.4. Australia Roll-to-Roll Technology for Flexible Devices Market
 - 7.4.5. South Korea Roll-to-Roll Technology for Flexible Devices Market
 - 7.4.6. Rest of Asia Pacific Roll-to-Roll Technology for Flexible Devices Market
- 7.5. Latin America Roll-to-Roll Technology for Flexible Devices Market Snapshot
 - 7.5.1. Brazil Roll-to-Roll Technology for Flexible Devices Market
 - 7.5.2. Mexico Roll-to-Roll Technology for Flexible Devices Market
 - 7.5.3. Rest of Latin America Roll-to-Roll Technology for Flexible Devices Market
- 7.6. Rest of The World Roll-to-Roll Technology for Flexible Devices Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
 - 8.2.1. 3M Company
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. Acreo Swedish ICT AB
 - 8.2.3. Ascent Solar Technologies Inc.

- 8.2.4. Avery Dennison Corporation
- 8.2.5. E Ink Holdings Inc.
- 8.2.6. Flexium Interconnect Inc.
- 8.2.7. Fujikura Ltd.
- 8.2.8. Johnson Electric Holdings Limited
- 8.2.9. Kent Displays, Inc.
- 8.2.10. Konica Minolta Business Solutions Europe GmbH

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Roll-to-Roll Technology for Flexible Devices Market, report scope

TABLE 2. Global Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by Type 2019-2029 (USD Billion)

TABLE 4. Global Roll-to-Roll Technology for Flexible Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 5. Global Roll-to-Roll Technology for Flexible Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 6. Global Roll-to-Roll Technology for Flexible Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global Roll-to-Roll Technology for Flexible Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global Roll-to-Roll Technology for Flexible Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Roll-to-Roll Technology for Flexible Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Roll-to-Roll Technology for Flexible Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Roll-to-Roll Technology for Flexible Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Roll-to-Roll Technology for Flexible Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Roll-to-Roll Technology for Flexible Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. U.S. Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. U.S. Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 16. U.S. Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 17. Canada Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 18. Canada Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. Canada Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. UK Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 21. UK Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. Germany Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 24. Germany Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. France Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 27. France Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. Italy Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 30. Italy Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Spain Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 33. Spain Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. RoE Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 36. RoE Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. China Roll-to-Roll Technology for Flexible Devices Market estimates &

forecasts, 2019-2029 (USD Billion)

TABLE 39. China Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. China Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. India Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 42. India Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. Japan Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 45. Japan Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. South Korea Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 48. South Korea Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. Australia Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 51. Australia Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. RoAPAC Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 54. RoAPAC Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. Brazil Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 57. Brazil Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Mexico Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 60. Mexico Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. RoLA Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 63. RoLA Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. Row Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 66. Row Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row Roll-to-Roll Technology for Flexible Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. List of secondary sources, used in the study of global Roll-to-Roll Technology for Flexible Devices Market

TABLE 69. List of primary sources, used in the study of global Roll-to-Roll Technology for Flexible Devices Market

TABLE 70. Years considered for the study

TABLE 71. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Roll-to-Roll Technology for Flexible Devices Market, research methodology
 - FIG 2. Global Roll-to-Roll Technology for Flexible Devices Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Roll-to-Roll Technology for Flexible Devices Market, key trends 2021
 - FIG 5. Global Roll-to-Roll Technology for Flexible Devices Market, growth prospects 2022-2029
 - FIG 6. Global Roll-to-Roll Technology for Flexible Devices Market, porters 5 force model
 - FIG 7. Global Roll-to-Roll Technology for Flexible Devices Market, pest analysis
 - FIG 8. Global Roll-to-Roll Technology for Flexible Devices Market, value chain analysis
 - FIG 9. Global Roll-to-Roll Technology for Flexible Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Roll-to-Roll Technology for Flexible Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Roll-to-Roll Technology for Flexible Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Roll-to-Roll Technology for Flexible Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Roll-to-Roll Technology for Flexible Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Roll-to-Roll Technology for Flexible Devices Market, regional snapshot 2019 & 2029
 - FIG 15. North America Roll-to-Roll Technology for Flexible Devices Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Roll-to-Roll Technology for Flexible Devices Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific Roll-to-Roll Technology for Flexible Devices Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Roll-to-Roll Technology for Flexible Devices Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Roll-to-Roll Technology for Flexible Devices Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Roll-to-Roll Technology for Flexible Devices Market Size study & Forecast, by Type (Circuit Devices, Optoelectronic Devices, Photovoltaic Devices, Sensors and Other Devices) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G45D5C429FF0EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G45D5C429FF0EN.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