

Global Markets, Technologies and Applications for Flexible Displays

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Abstracts

Report Scope:

The report provides a snapshot of the market for flexible displays and the share of principal display technologies that constitute it. It also provides an overview of flexible display technologies, fabrication technologies and printing/lithography technologies as well as back-end design aspects. Key front-end display emission technologies are explained in context to their suitability for flexible displays. The report also includes a high-level breakdown of the global market for flexible displays.

The report also examines the global market for flexible displays in key applications, broken down by individual applications by display technologies and geographical regions in sales as well as unit shipments. Finally, the report presents vendor and stakeholder analysis with an overview of the major stakeholder classes engaged in flexible display commercialization. It also analyses the activities of key players in this domain. For this report, we consider curved displays also as flexible, as they constitute an important milestone in the departure from flat panel displays towards achieving full flexibility.

This report considers the following applications -

E-book readers and tablets.

Notebooks and PCs.

Mobile phones and smartphones.

Gaming devices and media players.

Automotive and navigation.

Smartcards and other cards.

Signage and billboards.

Retail and logistics.

Wearables and defense.

It should be noted that this report does not cover television displays. It also does not cover displays used in scientific applications and industrial instruments. The above list is not an exhaustive coverage of flexible displays and applications. It is widely expected that flexible displays will expand the horizons of present-day display applications and that display manufacturers will discover new surfaces, substrates and bases that can host display functions.

Report Includes:

83 data tables

An overview of the global markets for flexible displays and technologies

Analyses of global market trends, with data from 2017 to 2018, and projections of compound annual growth rates (CAGRs) through 2023

Snapshot of flexible display technologies, fabrication technologies and printing/lithography technologies

Insights of present-day display technologies

Understanding of concepts related to implications of flexibility, dynamic interferometry and front-end emission (display) technologies

Profiles of major companies of the industry including, AU Optronics, Sony Corp., L3 Technologies, Solvay and Fujifilm Dimatix

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&^%\$fghj CHUNGWA PICTURE TUBES LTD.

&^%\$fghj LG AND LG DISPLAY

Samsung Display

&^%\$fghj SHENZHEN CHINA STAR OPTOELECTRONICS

&^%\$fghj VISIONOX

OEMs

&^%\$fghj ALPHABET INC. (GOOGLE INC.)

&^%\$fghj APPLE INC.

&^%\$fghj NANOLUMENS

&^%\$fghj SAMSUNG ELECTRONICS CO. LTD.

&^%\$fghj SONY CORP.

Back-End Flexibility Specialists

&^%\$fghj ADVANTECH U.S. INC.

&^%\$fghj FLEXENABLE

&^%\$fghj FLEXTERRA INC.

&^%\$fghj MICROCONTINUUM INC.

&^%\$fghj PLASTIC LOGIC GMBH

Front-end Emission Specialists

&^%\$fghj CAMBRIOS

&^%\$fghj E INK HOLDINGS INC.

&^%\$fghj KENT DISPLAYS

&^%\$fghj L3 TECHNOLOGIES

&^%\$fghj LIQUAVISTA

&^%\$fghj NIPPON HOSO KYOKAI

&^%\$fghj NOVALED AG

&^%\$fghj ROYOLE CORP.

&^%\$fghj UNIVERSAL DISPLAY

&^%\$fghj WISTRON

Flexible Battery Developers

&^%\$fghj BLUE SPARK TECHNOLOGIES

&^%\$fghj IMPRINT ENERGY

Research Institutions

&^%\$fghj ARMY RESEARCH LABORATORY

&^%\$fghj PALO ALTO RESEARCH CENTER

Substrate and Encapsulation Specialists

&^%\$fghj APPLIED MATERIALS

&^%\$fghj DUPONT TEIJIN FILMS

&^%\$fghj HENKEL CORP.

&^%\$fghj KYODO PRINTING CO. LTD.

&^%\$fghj MATERION

&^%\$fghj SKC INC.

&^%\$fghj SOLVAY

&^%\$fghj VITRIFLEX

Glass Manufacturers

&^%\$fghj CORNING INC.

&^%\$fghj SCHOTT AG

Equipment and Process Experts

&^%\$fghj 4D TECHNOLOGY CORP.

&^%\$fghj AIXTRON

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