

Epitaxy Deposition Market - Forecasts from 2019 to 2024

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Abstracts

The global rise in the demand for electronics and electrical devices has led to a significant increase in investments in electronic wafer production, in turn resulting in multiple growth opportunities for the epitaxy deposition market, which is projected to witness a growth of 8.34% during the 2018-2024 period. Moreover, the rapid technological advancements combined with the increasing support from the government in nanotechnology research is further projected to fuel the market in the coming years. In addition to this, the growing demand for miniaturization of high-performance devices is further expected to instigate the market growth in the coming years.

The Asia Pacific region is projected to hold a significant share in the market during the forecast period on account of the booming semiconductor and consumer electronics manufacturing industry in the region.

DRIVERS

Growing miniaturization of devices.

Rising investment to expand the wafer production capacity.

RESTRAINTS

Process Complexities.

INDUSTRY UPDATE

In July 2018, Showa Denko announced its plan to expand the capacity to produce

silicon carbide epitaxial wafer for power semiconductor devices.

The major players profiled in the epitaxy deposition market are ASM International, Applied Materials Inc., and Kokusai Electric Corporation among others.

Segmentation

The epitaxy deposition market has been analyzed through the following segments:

By Technique

Liquid Phase Epitaxy

Vapor Phase Epitaxy

Molecular Beam Epitaxy

By Application

Nanotechnology

Semiconductor Fabrication

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

United Kingdom

Germany

France

Others

Middle East and Africa

Saudi Arabia

United Arab Emirates

Israel

Others

Asia Pacific

Japan

China

Taiwan

Others

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