

# Erbium Market - Forecasts from 2019 to 2024

<https://marketpublishers.com/r/E6E85E18704BEN.html>

Date: September 2019

Pages: 68

Price: US\$ 2,750.00 (Single User License)

ID: E6E85E18704BEN

## Abstracts

The erbium market is projected to grow at a moderate compound annual growth rate during the forecast period, growing from US\$82.778 million in 2018. Erbium is a rare earth element which belongs to the lanthanide series. Erbium has its applications in halide lamps, control rods, ceramics, specialty glass, and medical equipment among others.

Erbium is used in the glass fiber of optic cables to amplify the signals passing through it. Erbium oxide is used in manufacturing infrared absorbing glass, such as safety glasses for welders and metal workers. When erbium is added to glass, it produces a pink shade to the glass and is used to give color to some imitation gems and sunglasses. Moreover, this element is used in control rods at in nuclear reactors due to neutron-absorption capabilities. Erbium oxide-based phosphors are being used in display monitors such as LED and LCDs. Erbium is used as a photographic filter to absorb infrared lights.

Growing demand for smartphones is escalating in the developing economies due to rising disposable income and better economic growth, which is stimulating the demand for display panel industry, eventually augmenting the demand for erbium worldwide. Several erbium components have healthcare applications where they are used along with yttrium garnet laser crystals for various cosmetic procedures and mild to medium depth skin resurfacing which is expected to boost the demand of erbium during the forecast period.

## Research Methodology

The first section of the report deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentations which

have been covered as part of the report.

## Market Dynamics

Next section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

## Segmentation:

### By Application

Medical Equipment

Ceramics

Others

### By Geography

North America

South America

Europe

Middle East and Africa

Asia Pacific

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\*The list is not exhaustive

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