

# GLOBAL ADAPTIVE OPTICS MARKET FORECAST 2017-2025

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## Abstracts

### KEY FINDINGS

The Global Adaptive Optics market was valued at \$ 220 million in 2016 and is expected to collect \$4534 million by the end of the forecast period of 2017-2025, at a CAGR of 40.13%. The market growth is mainly propelled by factors like rising demand for telemetry infrastructure, heavy investment in defense, rising awareness regarding security and the various advancements in satellite-based earth observation (EO) images.

### MARKET INSIGHTS

The Global Adaptive Optics market is segmented on the basis of applications and components. The applications are utilized in biomedical, military and defense, and other sectors. The components segment includes control systems, wavefront modulators, and wavefront sensors. Factors like increase in the clinical potential of these applications and the widespread use of AO in retinal imaging are presenting the market with amazing growth opportunities. However, uncertain global economic conditions, the financial crisis in several countries and the extended lifespan of fiber lasers might act as restraining factors for the market growth.

### REGIONAL INSIGHTS

The Global Adaptive Optics market is geographically segmented into North America, Europe, Asia-Pacific and the rest of world. The Asia-Pacific market is forecasted to exhibit the highest growth in the global market. Japan contributed significantly to the Asian market in the year 2015, due to widespread integration of the technology in

optical imaging, laser precision engineering, and biomedical imaging. However, it is the North American region that is predicted to dominate the global market by the end of the forecast period, with countries like U.S, Canada, Brazil, and Mexico being the major contributors. These markets are fairly advanced in terms of infrastructure and are extensively implementing various space programs

## **COMPETITIVE INSIGHTS**

Some of the established players in this market are Adaptica S.R.L, Active Optical Systems Llc, Baker Adaptive Optics, Flexible Optical B.V, Boston Micromachines Corporation, Imagine Optic Sa, Northrop Grumman Corporation, Iris Ao Inc, Phasics Corp, Thorlabs, Inc and Teledyne E2v (Uk) Ltd.

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5. FLEXIBLE OPTICAL B.V.
6. IMAGINE OPTIC SA
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